AECOM Environment

Prepared for:
USEPA Region 1
5 Post Office Square, Suite 100
(OSRR07-2)
Boston, MA 02109-3912

Prepared by:
AECOM
Rocky Hill CT
60148468
July 15, 2011

Building Materials and Soil PCB Remedial Plan

International Silver Company, Factory H
Meriden, CT

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International Silver Company, Factory H
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1.0 Introduction

This Remedial Plan has been developed for the remediation of polychlorinated biphenyls (PCBs) found in building materials, building substrates, and surface cover materials at the former International Silver Company, Factory H Building (the Site) located at 77 Cooper Street in Meriden, Connecticut. A Site Location Map is provided as **Figure 1**. The Owner of the Site is the City of Meriden (Owner). Remediation work for this project is being funded through various sources, including Brownfield grants from the United States Environmental Protection Agency (EPA), the Connecticut Department of Community Development, and the United States Department of Housing and Urban Development.

PCBs have been detected in building materials, building substrates, and surface cover materials at concentrations regulated under the applicable federal regulations in 40 CFR Part 761 and Connecticut state regulations under Section 22a-463 through -469, inclusive, and Section 22a-133k-1 through -3, inclusive, of the Regulations of Connecticut State Agencies. Specifically, building materials have been identified that are classified as PCB Bulk Product Wastes and are regulated under §761.62. Soil and building substrates have been identified that are classified as PCB Remediation Wastes due to releases from the PCB Bulk Product Wastes and are regulated under §761.61. This remedial plan has been developed to address PCB-containing materials to achieve compliance with the governing federal regulations under §761.61(b), §761.61(c), §761.62, and §761.79(h) and the governing state regulations.

1.1 Site Description

The Site is located at 77 Cooper Street in Meriden, Connecticut and occupies approximately 7.2 acres. The property is bisected by Harbor Brook which flows north to south through a constructed channel on the property and there are no identified wetlands in the area of the site along this brook, see **Drawing No. 2**. Historically the site has been used for a variety of industrial and manufacturing purposes. However, operations at the Site were terminated in 1974 and the Site has been vacant since that time.

The Site is zoned for manufacturing purposes and access is currently controlled through fencing. The surrounding area is mixed use with commercial, industrial, and residential land use. The Site is bordered by railroad tracks and Cherry Street residences to the east, commercial properties, Harbor Towers, and Hannover Towers to the north, an auto garage and Cooper Street to the south and southeast, and the former Veteran's Memorial Medical Center and Cook Avenue residences to the west.

Several structures were constructed at the Site, see **Drawing No. 2**. These structures include the former Power House, a Water Tank, the Walk Bridge, Building B, and the main buildings at 77 Cooper Street referred to as Building A. Building A consists of the one-story Saw-Tooth building (Saw-Tooth), the three-story brick building (3-story building), and the four-story timber-framed building (4-story building). All of these structures, except for the former Power House, are scheduled for demolition. However, PCB-containing caulks were only identified within Building A located at 77 Cooper Street and these structures are the subject of this remedial plan. Building A, with a footprint of approximately 76,000 square feet, were originally constructed in 1866 and available information indicates that structural renovations and construction of additions were performed until 1947 but exact dates for

building additions are not available. Currently there are no plans to redevelop the site following building demolition.

Surveys of the Saw-Tooth, 3-Story building and 4-Story building have identified PCB-containing building materials, some of which also contain asbestos. Given the dates for major construction of the facility, any original building materials would not be expected to contain PCBs. During the performance of surveys it was noted that the locations where caulks were identified were previously filled with masonry and that the application of replacement caulks was performed to fill gaps which had formed. These caulks were identified in window sills, between cap stones, adjacent to windows or at other similar locations where masonry had deteriorated. No expansion joints are present in the construction and no caulks were identified in the interfaces between buildings. It is assumed that glazings were also replaced as needed but no date for their installation is available.

Structural evaluation of the buildings has identified concerns with the Saw-Tooth and 4-Story buildings. The one-story Saw-Tooth building has become structurally unsound and the walls of the building are bowed out. A fire damaged wooden structural timbers within the 4-story building and the first and second floors are both sagging significantly. Both of these structures are considered unsafe to enter and have been condemned.

1.1.1 Construction and Renovation History

As described above, the building was originally constructed in 1866 and major renovations were performed through 1947. However, no original records regarding construction or renovation are available for the structures. Site plans and drawings included in this report were generated after an extensive engineering review of the structures.

During survey of the buildings it was observed that caulks were not part of the original construction. As such, caulks found on these buildings would have been placed at various times during the history of the use of the structures. It is considered likely that caulks may have been installed after 1950 and may contain PCBs. The structures have not been in active use since 1974 and no renovation activities have been performed on the structures after that date.

1.2 PCB Remediation Description

The Saw-Tooth, 3-story, and 4-story buildings will be demolished as part of this project. However, the Saw-Tooth and 4-story building have been determined to be unsafe for future occupancy and have been condemned. As such, these building cannot be entered to perform PCB removal actions prior to demolition. These structures will demolished in a controlled manner and then PCB-containing and other hazardous materials will be removed from the demolition debris as described in subsection 2.1.2. The 3-story building will be abated of PCB-containing materials prior to demolition as it is still structurally sound enough to perform the work in this manner. Soils impacted with PCBs immediately adjacent to the buildings will be remediated following building demolition.

1.3 Investigation Program

The following is a discussion of the investigation program for the Site. The investigation was performed as a phased program. The first phase was performed to identify homogenous building materials at the site in accordance with commonly used building survey programs (AHERA Guidelines on building surveys in 40 CFR Part 763) and to determine the installation locations for each of the materials and the total amount of the materials in place. The second phase was performed to determine the total PCB concentrations in these building materials. The final phase of the

investigation program was performed to determine the extent of releases from the PCB-containing building materials to building substrates and soil. All samples collected during the investigation program were analyzed for total PCB content using EPA Methods 3540C and 8082 and are reported as total Aroclors. Analytical data reports are included in **Appendix A**.

1.3.1 Building Materials

A summary of the building materials data is included in **Table 1** and the sample locations are shown on **Drawing No. 3**. Building materials were classified as PCB Bulk Product Wastes, PCB Remediation Wastes, or Excluded PCB Products based upon the determined in-situ concentrations, observations made during sampling, and analytical data for building substrates in contact with the building materials containing PCBs. The following is a discussion of the classification for each of the building materials. The installation locations for each of these building materials are shown on **Drawing Nos. 5 and 6**.

1.3.1.1 PCB Bulk Product Wastes

All building materials classified as PCB Bulk Product Wastes either had in-situ determined total PCB concentrations ≥50 mg/kg or if it could not be determined that subsequent activities performed after the materials were installed had diluted the determined concentration to <50 mg/kg. The identified PCB Bulk Product Wastes are as follows:

- C5 (Analytical Sample ID 070910-09) – 3-story building roof capstone caulk with a total PCB concentration of 110,000 mg/kg. This caulk is found on the 3-story building as a replacement for masonry in joints between the concrete capstones. This caulk is in contact with the concrete capstones and a brass flashing that is placed between the capstones and the brick and masonry beneath.

- C7 (Analytical Sample ID 070913-01) - Saw-Tooth building exterior stone sill caulk with a total PCB concentration of 210,000 mg/kg. This caulk is found on the Saw-Tooth building as a replacement for masonry in joints between concrete sections that make up the window sills and decorative concrete lintels above the windows. This caulk is in contact with the concrete sills and lintels and brick and masonry that are found beneath the sills and above the lintels.

1.3.1.2 PCB Remediation Wastes

All building materials classified as PCB Remediation Wastes had in-situ determined total PCB concentrations ≥1 mg/kg and the source of PCBs is unknown or ≥50 mg/kg. The identified PCB Remediation Wastes are as follows:

- C14 (Analytical Sample ID 120710-08) – Saw-Tooth building roof window caulk. This caulk is found on the Saw-Tooth building as a replacement for masonry in joints around the windows in the roof. PCBs were detected at a concentration of 2.3 mg/kg in the sample collected of this homogenous material. It is not classified as an Excluded PCB Product as a sample of the building substrate that was in immediate contact with the caulk had a total PCB concentration of 1.0 mg/kg. Thus it is believed that a higher concentration caulk was at this location previously and that PCB in the window caulk may be from this other higher concentration material.

- G1 (Analytical Sample ID 120710-06) – Saw-Tooth building roof window glaze. This glaze is found on the Saw-Tooth building and may or may not be a replacement material. PCBs were detected at a concentration of 2.4 mg/kg in the sample collected of this homogenous material. It is classified as a PCB Remediation Waste as a reliable determination of the source of PCBs cannot be made.

1.3.1.3 Excluded PCB Products

All building materials classified as Excluded PCB Products had in-situ determined total PCB concentrations <50 mg/kg and it could be reliably determined that their total PCB concentration had not been diluted by subsequent activities. Because it is assumed that the building was constructed and major renovations were completed prior to the common use of PCBs in building materials none of the caulks identified are considered to be original to construction. In addition, the lack of building renovation history does not allow for a determination if caulks were replaced other than the physical observations of caulk (or caulks) at a given location. The following were employed to support the determination of an Excluded PCB Product:

- At each sample location all of the caulk or glazing was removed such that building surfaces or any backing were exposed on all three sides. The building surfaces or backing were inspected to determine if there was any evidence of another material having been installed at this location. If evidence of another material was identified then the building material sampled is not classified as an Excluded PCB Product.

- Samples were collected of building substrates that were in contact with caulk. Caulks with PCB concentrations <50 mg/kg are not expected to leach PCBs into the surrounding building materials at concentrations >1 mg/kg. If PCBs are not detected or were <1 mg/kg in a building material sample collected from the point of contact between the caulk and building materials, it is considered unlikely that a PCB Bulk Product Waste caulk was ever installed at that location. Thus, the caulk itself is considered an Excluded PCB Product. Building substrate results are presented in **Table 2**.

The identified Excluded PCB Products are as follows:

- C1 (Analytical Sample ID 070910-01) – 4-story building glass block window caulk. This caulk is found on the 4-story building as a replacement for masonry in joints around the decorative glass block windows and PCBs were not detected in the sample collected of this homogenous material.

- C2 (Analytical Sample ID 070910-02) – 4-story building double hung wood windows exterior caulk. This caulk is found on the 4-story building as a replacement for masonry in joints around double hung wood windows. PCBs were detected at a concentration of 1.5 mg/kg in the sample collected of this homogenous material. Building materials in direct contact with this material were all non-detect for PCBs. It is classified as an Excluded PCB Product but is regulated under Connecticut state regulations.

- C3 (Analytical Sample ID 070910-06) – 3-story building exterior stone sill caulk. This caulk is found on the 3-story building as a replacement for masonry in joints between concrete sills. PCBs were detected at a concentration of 1.2 mg/kg in the sample collected of this homogenous material. Building materials in direct contact with this material were all non-

detect for PCBs. It is classified as an Excluded PCB Product but is regulated under Connecticut state regulations.

- C4 (Analytical Sample ID 070910-07) – 3-story building large metal window caulk. This caulk is found on the 3-story building as a replacement for masonry in joints around large metal windows. PCBs were detected at a concentration of 4.4 mg/kg in the sample collected of this homogenous material. Building materials in direct contact with this material were all non-detect for PCBs. It is classified as an Excluded PCB Product but is regulated under Connecticut state regulations.

- C6 (Analytical Sample ID 070910-14) – Saw-Tooth building window caulk. This caulk is found on the Saw-Tooth building as a replacement for masonry in joints around exterior windows. PCBs were detected at a concentration of 3.1 mg/kg in the sample collected of this homogenous material. It is classified as an Excluded PCB Product but is regulated under Connecticut state regulations.

- C8 (Analytical Sample ID 120710-01) –Building B glass block window caulk. This caulk is found on Building B as a replacement for masonry in joints around decorative glass block windows. PCBs were not detected in the sample collected of this homogenous material.

- C9 (Analytical Sample ID 120710-02) – 4-story building double hung wood windows interior caulk. This caulk is found on the 4-story building as a replacement for masonry in joints around double hung wood windows. PCBs were not detected in the sample collected of this homogenous material.

- C10 (Analytical Sample ID 120710-03) – 3-story building door entrance to floor caulk. This caulk is found on the 3-story building as a replacement for masonry in joints around the entry door. PCBs were detected at a concentration of 2.2 mg/kg in the sample collected of this homogenous material. Building materials in direct contact with this material were non-detect for PCBs. It is classified as an Excluded PCB Product but is regulated under Connecticut state regulations.

- C11 (Analytical Sample ID 120710-02) – 4-story building double hung metal window caulk. This caulk is found on the 4-story building as a replacement for masonry in joints around double hung metal windows. PCBs were detected at a concentration of 0.96 mg/kg in the sample collected of this homogenous material.

- C12 (Analytical Sample ID 120710-05) – Saw-Tooth and 3-story building first floor large metal window caulk. This caulk is found on the Saw-Tooth and 3-story building as a replacement for masonry in joints around large metal windows. PCBs were not detected in the sample collected of this homogenous material.

- C13 (Analytical Sample ID 120710-07) –4-story building exterior duct caulk. This caulk is found on the 4-story building as a replacement for masonry in joints around exterior ducts. PCBs were detected at a concentration of 2.6 mg/kg in the sample collected of this homogenous material. Building materials in direct contact with this material were all non-detect for PCBs. It is classified as an Excluded PCB Product but is regulated under Connecticut state regulations.

1.3.2 Building Substrates

The following is a description of the building substrates investigation program to determine the extent of releases, if any, from building materials classified as PCB Bulk Product Wastes or as regulated by the state of Connecticut. Analytical results are summarized in **Table 2** and the sample locations are shown on **Drawing No. 4**. All of the samples were collected following the EPA Region 1 Standard Operating Procedure for the Collection of Porous Material Samples, a copy of which is included in **Appendix B**.

The following is a description of the building substrate analytical results for building substrates in contact with PCB Bulk Product Wastes:

- Four samples and one duplicate were collected from the concrete from which the capstones are constructed where caulk C5 is installed. All concrete samples were collected a total of 3" from the caulked joint between the capstones. Two of the samples exceeded the remedial standard of <1.0 mg/kg total PCBs. Given the size of the capstones, approximately two feet in length, decontamination of these materials is not seen as practical and they will be removed in their entirety and disposed of with the PCB Bulk Product Waste caulk. The metal flashing material at the base of the capstones will also be removed. This metal flashing spans the entire length at the bottom of the capstones (from interior to exterior walls) and prevents contact between the caulk and the brick material below.

- Three samples were collected from the concrete window sills where caulk C7 is installed. All concrete samples were collected a total of 3" from the caulked joints within the window sills. All three samples exceeded the remedial standard of <1.0 mg/kg. Each window sill and decorative lintel have numerous caulk joints and decontamination of these materials is not seen as practical and they will be removed in their entirety and disposed of with the PCB Bulk Product Waste caulk.

- Two samples were collected from the brick beneath the concrete window sills where caulk C7 is installed. All concrete samples were collected a total of 3" from the base of the window sills immediately beneath the caulked joints. One sample was non-detect for PCBs (<0.420 mg/kg) and the other had a total PCB concentration of 0.62 mg/kg.

The following is a description of the building substrate analytical results for building substrates in contact with PCB Remediation Wastes:

- Six samples were collected from the concrete, four total, and brick, two total, in the area where C14 is installed. Two concrete samples were collected a total of 3" from the caulked joint and two were collected at the point of contact. One of the concrete samples collected at the point of contact was equal to the remedial standard of 1.0 mg/kg total PCBs. However, for concrete 3" from the caulk line the total PCB concentrations were 0.74 mg/kg and 0.71 mg/kg indicating penetration of PCBs into the concrete. Both brick samples were non-detect for PCBs.

- No samples were collected for building substrates in contact with the window glazing G1. The windows and frames will be removed as PCB Remediation Waste at a concentration >50 mg/kg total PCBs.

The following is a description of the building substrate analytical results for building substrates in contact with Excluded PCB Products/State Regulated Materials.

- Nearly all of the remaining building substrate results were non-detect for PCBs with only one detection in a sample, 0.44 mg/kg in 031611-39 D, which is a duplicate sample to one that was non-detect. The lack of PCBs within the building materials, especially at the point of contact between the caulk and the building material, is considered a second line of evidence in addition to the observation that no other caulk was present at the location proving that the materials are correctly classified as Excluded PCB Products. The date of installation for these materials is unknown and no records for renovations that might have involved recaulking are available. However, given that no evidence of another caulk was present and that there are low detections of PCBs in the caulks themselves and none in the associated building materials; it is believed that a PCB Bulk Product Waste was never present at these locations.

1.3.3 Surface Cover Materials

Surface cover materials at the site consisted of soil and large rock that was installed following a remediation of soil performed previously by others. Soil samples were collected from around the building as part of this work but additional soil sampling beneath the large rock that was placed following the prior remediation could not be performed. Sampling of the soil beneath the rock will be performed when excavators are available onsite to remove the rock in a manner that will permit soil sampling. Soil data are presented in **Table 3** and the soil sampling locations are shown on **Drawing No. 4**. Also shown on **Drawing No. 4** is the location of the rock placed during previous remedial activities.

Current soil sampling was not done as per a grid as specified in 40 CFR Part 761 Subpart N. Thus, all contaminated soil to be excavated will be stored, handled and disposed of as PCB Remediation Wastes containing greater than 50 mg/kg total PCBs. **Drawing No. 4** shows the proposed excavation locations.

Soil sampling results indicate that PCBs were only detected in soil around the Saw-Tooth building and the soil excavations will be limited to this area. The exact extent of soil removal will be determined as per verification sampling. Verification sampling procedures are detailed in Section 2.

1.4 PCB Remedial Goals

The PCB remedial goals for PCB Bulk Product Wastes and caulks regulated by the state of Connecticut are as follows:

- All building materials classified PCB Bulk Product Wastes or PCB Remediation Wastes will be removed and disposed of appropriately;
- All building materials and substrates and surface cover materials classified PCB Remediation Wastes will be removed and disposed of appropriately such that all remaining building substrates and surface cover materials are <1 mg/kg total PCBs; and
- All building materials classified as State Regulated will be removed and disposed of appropriately.

1.5 Notification and Certification

This remedial plan serves as the Notification for PCB Remediation Activities. After having received written approval from EPA (the Approval) the Owner will notify EPA a minimum of 24 hours in advance before performing any remediation work and it will be performed as described in the Notification. However, if conditions in the Approval are more stringent than those described within this Notification, the procedures specified in the Approval shall be followed.

Attached in **Appendix C** is written certification, as required under §761.61(a)(3)(E), from the Owner indicating the storage location for all reports detailing sample collection and analysis procedures used to assess or characterize PCBs at the Site, waste handling procedures and disposal information for materials remediated under this notification are available for EPA inspection.

2.0 Planned Remediation and Procedures

Remediation is planned for PCB Bulk Product and PCB Remediation Wastes identified at the site and for the State-Regulated Caulks that have been identified. The following is a discussion of the remedial procedures to be employed for each of the materials.

2.1 Building Materials and Substrates

The remedial goal for PCB containing building materials and substrates is the removal of all materials with total PCB concentrations ≥1 mg/kg. State-Regulated Caulks will be removed from the locations that they are installed without removal of any building substrates or verification sampling. This is seen as being sufficient as testing data for building substrates in contact with State-Regulated caulks indicate that they are not contaminated with PCBs. Removal of federally regulated materials, PCB Bulk Product and PCB Remediation Wastes, will be performed without segregation and all building material and substrate wastes generated shall be disposed of as PCB Wastes containing ≥50 mg/kg total PCBs. Locations for PCB Bulk Product Waste Caulks and State-Regulated Caulks are shown on **Drawing Nos. 5 and 6**, respectively.

2.1.1 Containment Procedures

Several of the caulks identified are also asbestos containing. As such, asbestos containment procedures shall be followed for those materials as they are more stringent than the procedures detailed below.

For external removals of state-regulated caulks found in the 3-story building and the federally-regulated capstone caulk (C5), two layers of 6-mil polyethylene sheeting (poly sheeting) will be placed along the ground surface and up the face of temporary fencing that will be placed ten feet from the edge of the building. Poly sheeting shall also be placed and secured on the roof and cover a distance around the entire perimeter and extend ten feet in from the edge. This poly sheeting will prevent PCB-contaminated dust from impacting the surrounding ground surface and shall be sufficient for preventing dust from migrating away from buildings for removal performed on the first floor of the structure. If lift devices are used for removal actions above the first floor, the platform of the lift shall be covered with poly sheeting at the base, above, and on all three sides such that the only open face shall be that through which the workers will access the work area. The platform of the lift shall be placed as close as possible to the face of the structure so as to limit “open” areas through which dust can migrate.

Non-dust generating methods, such as scraping, shall be used to minimize the migration of potentially PCB contaminated dust. If necessary, duct tape or other materials will be placed over caulked seams that are to be removed intact with the surrounding building materials to prevent flaking and loss during removal.

At locations where PCB-contaminated materials also contain asbestos, air monitoring will be performed for asbestos fibers per the applicable asbestos regulations. Total dust monitoring will be performed at all PCB-contaminated building material removal actions. This monitoring will be performed at the perimeter of the containment areas. The maximum total PCB concentration determined in any of the materials at the Site is 210,000 mg/kg. If this worst case PCB concentration

is used, a dust concentration of 2.38 mg/m^3 would be required to exceed the Occupational Safety and Health Administration (OSHA) Permissible Exposure Level (PEL) of 500 µg/m^3 for Aroclor 1254. This assumes that all of the dust generated without the work area consists of the highest concentration material and is seen as being very conservative. If the dust concentration exceeds this guidance level the contractor shall be instructed to perform dust misting or other dust limiting measures.

Following the completion of a removal action, no verification samples will be collected, as described in subsection 2.3. Poly sheeting used in the containment will be gathered for disposal with the wastes generated during the removal action. All wastes will be handled and stored for disposal as described in subsection 2.4.

2.1.2 Condemned Building Remediation

Structural issues and other safety concerns regarding the removal of PCB-containing materials necessitate the use of phased remediation for the condemned structures. The normal procedure to be followed will be the removal of PCB Bulk Product Wastes and PCB Remediation Wastes followed by verification sampling to determine that all of the contaminated materials have been removed to a total PCB concentration of <1 mg/kg. The removal of the contaminated materials would then be followed by removal of clean materials without regards to PCBs and their required containment, handling, and storage procedures.

However, for the condemned structures, this procedure cannot be employed and a phased approach to remediation will be employed. All materials located within the "clean" cut line will be marked on the building a distance of 12" from each identified PCB Bulk Product, PCB Remediation Waste, or State-Regulated material, either with paint or other suitable materials, to demarcate the location of clean versus contaminated materials. Caulks and glazings known to be contaminated with PCBs will either be removed, if this can be performed safely, or covered with duct tape or other suitable materials to prevent their release during demolition activities.

After the contaminated materials have been marked and stabilized as indicated above, building demolition will be performed in sections without containment but water misting will be employed to limit dust generation. Dust monitoring will be performed at the perimeter of the work area to ensure that dust levels do not exceed levels that might indicate migration of PCBs from the work area. PCB contaminated materials, as indicated by markings, will be removed from the debris pile until it can be visually determined that all of the contaminated material has been removed. Following the removal of contaminated materials to the extent possible, clean materials will be removed for recycling. Additional verification sampling will not be performed following the removal of the contaminated materials.

2.2 Soil Remediation Procedures

PCB-impacted soils are being remediated under the Performance-Based Disposal Procedures as specified under §761.61(b). The limited characterization sampling that was performed indicated that PCB concentrations were generally greater than 50 mg/kg at the base of the building in the area where PCB Bulk Product Waste caulks were identified. As such, additional characterization was not performed and it was determined that all soil would be removed as containing PCBs ≥50 mg/kg.

The proposed excavation is 1 foot in depth and will extend a distance of 5 feet from the edge of the building. All soil will be live-loaded into disposal containers for transport offsite. Following soil removal verification sampling will be performed as described in Section 2.3.

If any verification sample result is ≥1 mg/kg the excavation will be continued and additional verification samples will be collected. Excavation will only be considered complete after all verification sample results are <1 mg/kg total PCBs.

2.2.1 Trap Rock Covered Area

On the northeast side of the building is a location where soil was previously remediated by others. Following the remedial excavation, which was reported to be to a depth of 2 feet, the area was covered with a geotextile and backfilled with trap rock. Current soil sampling for PCBs was unsuccessfully attempted in this area and it was determined that an excavator would be required to remove the rock to the depth required to sample soil. The stone is considered to be non-porous as it appears to be an igneous or metamorphic in nature. Thus, following mobilization to the site to perform the remedial activities described within, the following will be performed to address the rock and soil in this area.

Wipe samples of the stone will be collected at a frequency of 1 per every 10 feet or linear distance along the entire area. The stone to be sampled at each location will be from the top surface at the location of the drip line. An area of 100 square centimeters (cm^2) will be determined on the surface of the rock for the performance of the wipe sample. The rock will be considered clean if all wipe samples are <1.0 µg/100 cm2. All results will be submitted to EPA with a summary report. If rock wipe sample results exceed or equal this standard the EPA Region 1 PCB Coordinator will be contacted to determine appropriate actions.

After proper handling procedures have been determined for the rock, it will be removed from the area of the excavation to allow for characterization of the underlying soil. Soil samples will be collected from the excavation according to the procedures as specified in 40 CFR Part 761. Remedial actions will only be performed if any of the characterization results exceed 1.0 mg/kg.

2.3 Verification Sampling Procedures

Verification sampling will be performed as per the procedures described below.

No verification sampling is proposed for building materials. For the PCB Bulk Product Waste caulk in the 3-story building, caulk C5 associated with the capstones, removal actions will include the entire capstones and the non-porous metal flashing installed beneath the cap stones. Thus, no building materials into which PCBs may have leached will remain. The remaining PCB Bulk Product Waste and PCB Remediation Wastes are located on the Saw-Tooth building and remediation for these will be performed as described in Section 2.1.2.

For surface cover materials, the verification sampling procedures to be employed are as follows:

- A square-based grid will be overlaid on the entire area to be sampled. The grid axes will be oriented on a magnetic north-south line centered in the area and an east-west axis perpendicular to the magnetic north-south axis also centered in the area.
- Sampling points will be marked out 1.5 meters (approximately 5 feet) apart oriented to the grid axes in every direction to the extent sufficient to result in a two-dimensional grid completely overlaying the sampling area.
- A sample will be collected at every sample point that falls within the remediation area. Concrete and asphalt shall be removed such that the soil beneath is exposed so all

verification samples are anticipated to be collected from soil. A sample will be collected of surficial soil (0" to 3" bgs) at each sampling point.

- If any confirmation sample result are ≥1 mg/kg additional remediation will be performed. A sampling grid shall be established for the area as previously described.
- If any remediation area is small enough such that three sampling points will not fall within the area based upon a 1.5 meter grid system, the grid shall be established as described above but a smaller grid interval shall be employed such that a minimum of three samples will be collected.

2.4 Waste Handling, Storage and Disposal

Wastes classified as PCB Bulk Products, caulks C5 and C7, or PCB Remediation wastes, caulk C14 or glaze G1, building materials associated with caulks C5 and C7, and surface cover materials, shall be handled as specified below. State regulated caulks shall be containerized and handled separately for disposal at an appropriately permitted landfill. For those materials containing regulated levels of PCBs and asbestos, the handling, storage, and disposal requirements for asbestos will implemented as well when the requirements for asbestos containing materials are more stringent or require additional labeling to conform with applicable regulations.

All personal protective equipment (PPE) and containment materials used during remediation and abatement shall be containerized with the PCB wastes with which they were generated for disposal. PPE used during decontamination or equipment, tools, and machinery, as described in Section 2.5, shall also be containerized with PCB wastes for disposal.

Wastes generated during remedial activities associated with demolition shall be placed directly into a lined storage container or removed from the area in a contained manner that prevents the spread of contamination and then placed into a lined storage container. Wastes generated during remedial activities for surface cover materials will be placed directly into lined storage containers. Any spills or releases of PCB-contaminated materials will be remediated by the Remediation Contractor as per the requirements of Subpart G. Upon first use of a storage container, a M_L mark shall be placed on the container and the date of storage will be recorded on the container by the AECOM field inspector. All waste storage containers shall be removed from the site within 30 days of their first use.

A waste storage area shall be created for the storage of the waste containers prior to their transport offsite. This waste storage area will be surrounded by temporary fencing and the fence shall have an M_L mark indicating the presence of PCB Wastes. All lined storage containers not actively in use shall be staged within the waste storage area and covered with a tarp to prevent stormwater from entering the container.

PCB wastes generated during the remediation of building materials will be disposed of at a Chemical Waste Landfill meeting the requirements of §761.75. Facilities identified include the Waste Management Model City Landfill located in Model City, NY and the EQ Wayne Disposal Landfill located in Wayne, MI. It is estimated that 350 tons of PCB-containing building debris will be generated and disposed during demolition activities.

Wastes generated during remediation of surface cover materials assumed to have total PCB concentrations ≥50 mg/kg will be disposed of at a Chemical Waste Landfill meeting the requirements of §761.75. Facilities identified include the Waste Management Model City Landfill located in Model

City, NY and the EQ Wayne Disposal Landfill located in Wayne, MI. It is estimated that 75 tons of PCB-containing soil remediation wastes will be generated during remediation.

2.5 Equipment Decontamination

Non-porous surfaces on equipment, tools, and machinery that contact PCB wastes will be decontaminated prior to leaving the site or being used in the handling of clean materials. Decontamination will be done using the procedures as defined in §761.79(c)(2). Specifically, equipment, tools and machinery that are visually clean will be swabbed with solvent solution containing d-limonene. Grimy non-porous surfaces will be decontaminated following the double wash/rinse procedures specified in §761.375.

Decontamination liquids will be drummed and tested for appropriate disposal. All liquids containing 0.5 µg/L or greater total PCBs shall be shipped for treatment to an appropriately permitted facility. Decontamination solids (e.g., rags, brushes) will be containerized with the PCB wastes for disposal at a chemical waste landfill.

3.0 Remediation Documentation

Documentation of the field activities will be performed on a daily basis by the contractor and AECOM during the performance of the remedial measures. The AECOM field inspector will be responsible for completing the documentation described below. AECOM will prepare a Remedial Action Report (RAR) after the conclusion of the removal and abatement program which will summarize the remedial activities.

3.3 Field Notes

The AECOM field inspector will maintain a daily log of on-site activities. That log will include, but not be limited to the following:

- Daily health and safety meetings.
- Personnel and equipment on site.
- Field procedures and observations.
- Removal, abatement, containment, and cleanup progress.
- Sample locations with selection criteria, samples collected, analyses performed, sample handling.
- Telephone or other instructions.
- Health and Safety issues.
- Health and Safety monitoring data including dust monitoring outside containments.
- Estimate of wastes generated and stored.
- Waste transporter information.

3.4 Photographs

Daily photographs will be taken of representative activities, such as concrete scarification, decontamination, sampling, and waste handling and storage. Copies of selected photographs with appropriate captions will be included in the RAR.

3.5 Transport and Treatment/Disposal Certifications

Manifests and/or Bills of Lading for the transportation, treatment and disposal of waste materials and certifications of the disposal of the wastes, if necessary, will be obtained from the transporter and from the treatment/disposal facility. Copies of these forms will be included in the RAR and records will be maintained in accordance with the requirements as specified in 40 CFR 761 Subpart K (PCB Waste Disposal Records and Reports).

3.6 Remedial Action Report

The Remedial Action Report (RAR) will be prepared by AECOM upon completion of all remedial activities. The RAR will include, at a minimum, the following.

- Site description
- A description of field procedures
- Verification sample locations and analytical results
- A photographic record of the removal and abatement, containment structures, and clean-up.
- Dust monitoring data
- Waste transport and disposal information
- Copies of waste manifests, bills of lading, and certificates of disposal

Any additional information required under the EPA Approval shall also be incorporated into the RAR.

Tables

Table 1
Building Materials Analytical Data
Factory H Demolition Project
Meriden, CT

Analytical Report Sample ID	Material Location	Designation	Date Sampled	Date Analyzed	Total PCBs (mg/kg)	Regulatory Classification
070910-01	4-story building, glass block window caulk	C1	7/9/2010	7/19/2010	<0.83	Excluded Product
070910-02	4-story building, double hung wood windows exterior caulk	C2	7/9/2010	7/19/2010	1.5	Excluded Product/State Regulated
070910-06	3-story building, exterior stone sill caulk	C3	7/9/2010	7/19/2010	1.2	Excluded Product/State Regulated
070910-07	3-story building, large metal window caulk	C4	7/9/2010	7/19/2010	4.4	Excluded Product/State Regulated
070910-09	**3-story building, roof cap stone caulk**	**C5**	**7/9/2010**	**7/20/2010**	**110,000**	**Bulk Product Waste**
070910-14	Saw-tooth building, saw tooth window caulk	C6	7/9/2010	7/21/2010	3.1	Excluded Product/State Regulated
070913-01	**Saw-tooth building, exterior stone sill caulk**	**C7**	**7/13/2010**	**7/20/2010**	**210,000**	**Bulk Product Waste**
120710-01	Building B, glass block window caulk	C8	12/7/2010	12/10/2010	<0.82	Excluded Product
120710-02	4-story building, double hung wood windows interior caulk	C9	12/7/2010	12/10/2010	<0.83	Excluded Product
120710-03	3-story building, stairwell door entrance to floor caulk	C10	12/7/2010	12/10/2010	2.2	Excluded Product/State Regulated
120710-04	4-story building, metal double hung window caulk	C11	12/7/2010	12/10/2010	0.96	Excluded Product
120710-05	Saw-tooth and 3-story building, 1st floor large metal window caulk	C12	12/7/2010	12/10/2010	<0.83	Excluded Product
120710-06	Saw-tooth building, saw tooth window glazing	G1	12/7/2010	12/10/2010	2.4	Remediation Waste
120710-07	Caulk on exterior ducts	C13	12/7/2010	12/10/2010	2.6	Excluded Product/State Regulated
120710-08	Saw-tooth building, caulk on outer edge of saw tooth windows	C14	12/7/2010	12/10/2010	2.3	Remediation Waste

Note: All PCBs identified as Aroclor 1254 except C4 (070910-07) where PCBs were identified as Aroclor 1260
Caulks are refered to by their Designation within the report text

Table 2
Building Substrates Analytical Data
Factory H Demolition Project
Meriden, CT

Sample ID	Building	Material Description	Adjacent Caulk or Glazing[1]	Date Sampled	Date Analyzed	Total PCBs (mg/kg)
031411-01	Saw Tooth	Concrete, 3" laterally from seam	C7	3/14/2011	3/16/2011	**5.0**
031411-02	Saw Tooth	Brick, 3" below seam	C7	3/14/2011	3/16/2011	0.62
031411-03	Saw Tooth	Concrete, 3" laterally from seam	C7	3/14/2011	3/16/2011	**5.2**
031411-04	Saw Tooth	Concrete, 3" laterally from seam	C7	3/14/2011	3/16/2011	**1.7**
031411-05	Saw Tooth	Brick, 3" below seam	C7	3/14/2011	3/16/2011	<0.420
031411-06	Saw Tooth	Concrete, at caulk line	C14	3/14/2011	3/16/2011	0.74
031411-07	Saw Tooth	Concrete, 3" laterally from seam	C14	3/14/2011	3/16/2011	0.74
031411-08	Saw Tooth	Concrete, at caulk line	C14	3/14/2011	3/16/2011	**1.0**
031411-09	Saw Tooth	Concrete, 3" laterally from seam	C14	3/14/2011	3/16/2011	0.71
031411-10	3-Story	Concrete, at caulk line	C3	3/14/2011	3/16/2011	<0.440
031411-11	3-Story	Concrete, 3" laterally from seam	C3	3/14/2011	3/16/2011	<0.330
031411-12	3-Story	Concrete, at caulk line	C3	3/14/2011	3/16/2011	<0.320
031411-13	3-Story	Brick, 3" below seam	C3	3/14/2011	3/16/2011	<0.320
031411-13 D	3-Story	Brick, 3" below seam	C3	3/14/2011	3/16/2011	<0.320
031411-14	3-Story	Capstone, 3" laterally from seam	C5	3/14/2011	3/16/2011	<0.330
031411-15	3-Story	Capstone, 3" laterally from seam	C5	3/14/2011	3/16/2011	**6.4**
031411-16	3-Story	Capstone, 3" laterally from seam	C5	3/14/2011	3/16/2011	**1.2**
031411-17	3-Story	Capstone, 3" laterally from seam	C5	3/14/2011	3/16/2011	0.56
031411-17 D	3-Story	Capstone, 3" laterally from seam	C5	3/14/2011	3/16/2011	<0.360
031411-18	3-Story	Brick, 3" laterally from seam	C4	3/14/2011	3/16/2011	<0.740
031511-19	3-Story	Brick, caulk line	C4	3/15/2011	3/16/2011	<0.500
031511-20	Saw Tooth	Brick, 3" laterally from seam	C14	3/15/2011	3/16/2011	<0.520
031511-21	Saw Tooth	Brick, at caulk line	C14	3/15/2011	3/16/2011	<0.570
031511-22	3-Story	Brick, 3" laterally from seam	C4	3/15/2011	3/16/2011	<0.330
031511-23	3-Story	Brick, at caulk seam	C4	3/15/2011	3/16/2011	<0.330
031511-24	3-Story	Brick, 3" laterally from seam	C4	3/15/2011	3/16/2011	<0.630
031511-25	3-Story	Brick, at caulk seam	C4	3/15/2011	3/16/2011	<0.330
031511-26	3-Story	Brick, 3" laterally from seam	C4	3/15/2011	3/16/2011	<0.410
031511-27	3-Story	Brick, at caulk seam	C4	3/15/2011	3/16/2011	<0.320
031511-28	4-Story	Double hung window, 3" laterally from seam	C9	3/15/2011	3/16/2011	<0.510
031511-29	4-Story	Double hung window, at caulk seam	C9	3/15/2011	3/16/2011	<0.320
031611-30	4-Story	Concrete, 3" laterally from seam	C2	3/16/2011	3/17/2011	<0.330
031611-31	4-Story	Concrete, at caulk line	C2	3/16/2011	3/17/2011	<0.330
031611-32	3-Story	Concrete, 3" laterally from seam	C13	3/16/2011	3/17/2011	<0.520
031611-33	3-Story	Concrete, at caulk line	C13	3/16/2011	3/17/2011	<0.480
031611-34	3-Story	Concrete, 3" laterally from seam	C10	3/16/2011	3/17/2011	<0.340
031611-35	3-Story	Concrete, at caulk line	C10	3/16/2011	3/17/2011	<0.360
031611-36	4-Story	Concrete, 3" laterally from seam	C2	3/16/2011	3/17/2011	<0.320
031611-37	4-Story	Concrete, at caulk line	C2	3/16/2011	3/17/2011	<0.330
031611-38	3-Story	Concrete, 3" laterally from seam	C4	3/16/2011	3/17/2011	<0.410
031611-39	3-Story	Concrete, at caulk line	C4	3/16/2011	3/17/2011	<0.560
031611-39 D	3-Story	Concrete, at caulk line	C4	3/16/2011	3/17/2011	0.44
031611-40	Saw Tooth	Wood flooring beneath skylight windows	G1/C14/C6	3/16/2011	3/17/2011	<0.500
031611-41	Saw Tooth	Wood flooring beneath skylight windows	G1/C14/C6	3/16/2011	3/17/2011	<0.380
031611-42	Saw Tooth	Wood flooring beneath skylight windows	G1/C14/C6	3/16/2011	3/17/2011	<0.480
031611-43	Saw Tooth	Wood flooring beneath skylight windows	G1/C14/C6	3/16/2011	3/17/2011	<0.500
031611-44	Saw Tooth	Wood flooring beneath skylight windows	G1/C14/C6	3/16/2011	3/17/2011	<0.480

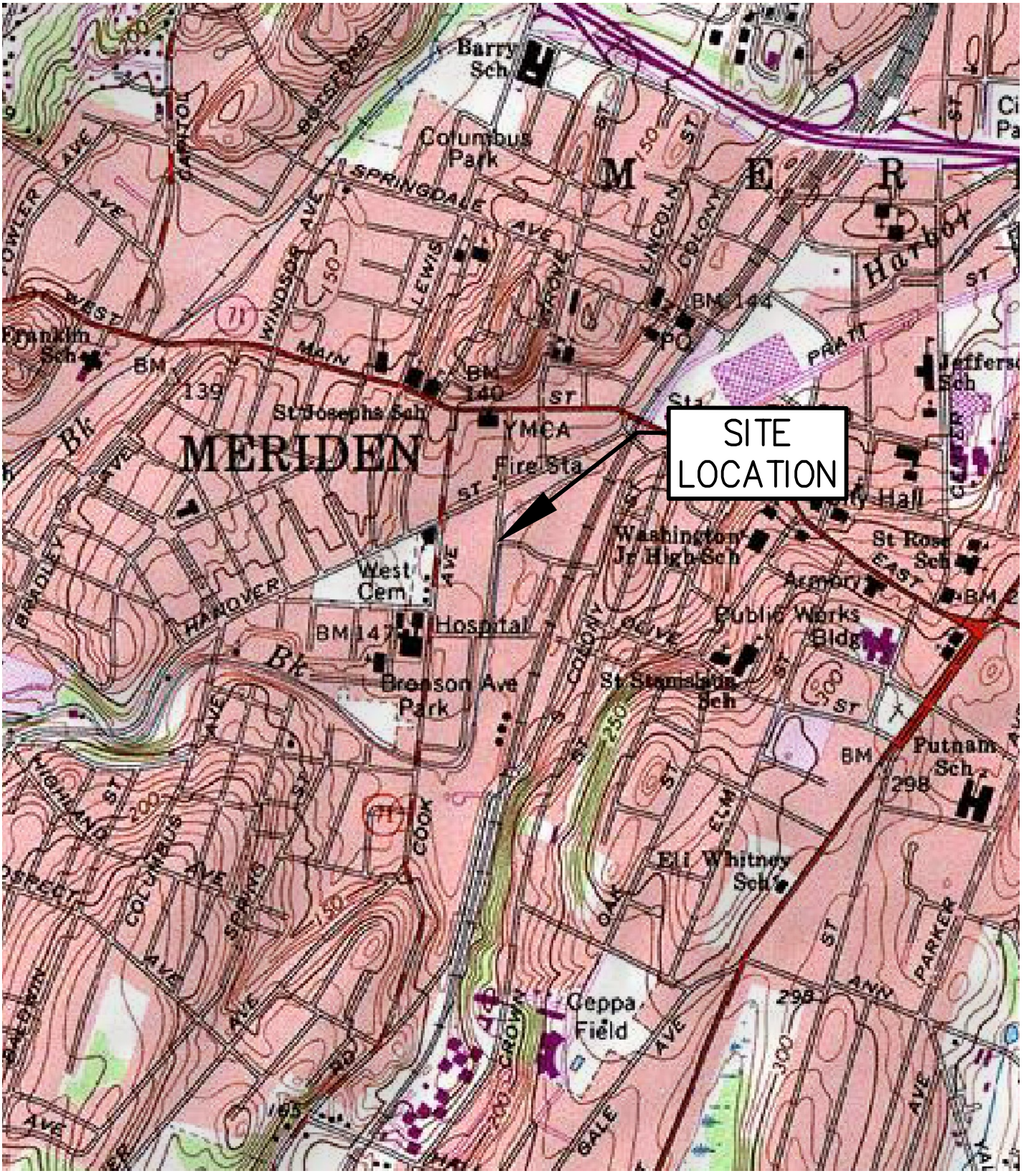
Notes: [1] See Table 1 for designation for adjacent caulk or glazing
All PCBs identified as Aroclor 1254

Table 3
Surface Cover Materials Analytical Data
Factory H Demolition Project
Meriden, CT

Sample ID	Material Description	Date Sampled	Date Analyzed	Total PCBs (mg/kg)
031511-S1	Soil	3/15/2011	3/18/2011	<0.430
031511-S2	Soil	3/15/2011	3/16/2011	<0.420
031511-S3	Soil	3/15/2011	3/16/2011	<0.420
031511-S4	Soil	3/15/2011	3/16/2011	<0.510
031511-S5	Soil	3/15/2011	3/16/2011	<0.440
031511-S6	Soil	3/15/2011	3/16/2011	<0.450
031511-S7	Soil	3/15/2011	3/16/2011	<0.400
031511-S8	Soil	3/15/2011	3/16/2011	<0.410
031511-S9	Soil	3/15/2011	3/16/2011	0.41
031511-S10	Soil	3/15/2011	3/18/2011	**120**
031511-S11	Soil	3/15/2011	3/17/2011	**67**
031511-S12	Soil	3/15/2011	3/17/2011	38
031511-S12 D	Soil	3/15/2011	3/17/2011	28
031511-S13	Soil	3/15/2011	3/18/2011	**140**

Notes: D in the Sample ID indicates that the sample is a duplicate.
Sample results in bold are ≥50 mg/kg.
Sample results that are underlined are ≥1 mg/kg.

Figures



AECOM

FIGURE 1 - SITE LOCATION MAP

FORMER INTERNATIONAL SILVER COMPANY SITE
77 COOPER STREET - PCB REMEDIAL PLAN
BUILDING DEMOLITION, MERIDEN, CONNECTICUT

AS NOTED	DATE: JULY 2011

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ANSI A – 3-8-05
LAST UPDATE: Thursday, July 14, 2011 4:45:10 PM
PLOT DATE: Thursday, July 14, 2011 4:58:38 PM

Plotted By: serraj
Plot File Date Created: Jul/14/2011 4:43 PM
Layout-Sheet Name: 1-SITE-DEMO
Filename: P:\60148468-MER\C\DEMO\CZMER002 SITE PLAN.DWG

PLAN

APPROXIMATE SCALE

0' 15' 30' 60'

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- EXISTING STRUCTURE TO BE DEMOLISHED AND REMOVED FROM SITE
- EXISTING STRUCTURE TO REMAIN
- EXISTING CHAIN LINK FENCE
- CONTRACTOR STAGING AREA BOUNDARY
- NEW CHAIN LINK FENCE

COOPER STREET

COOPER STREET SITE ACCESS

"SIDEWALK CLOSED" SIGN ON BARRICADE

HYDRANT

UTILITY POLE W/ OVERHEAD WIRES

CURB LINE

CONC. SIDEWALK

"SIDEWALK CLOSED" SIGN ON BARRICADE

BRIDGE

EXIST. GATE

GAS

EXIST. GATE

EXIST. GATE

CONTRACTOR STAGING AREA #1

85 COOPER STREET

EXIST. GATE

SAW TOOTH BUILDING

DEMOLISH AND REMOVE SAW TOOTH BUILDING

HARBOR BROOK FLOW

CHAIN LINK FENCE

EXISTING CHAIN LINK FENCE TO REMAIN UNDISTURBED

NEW 6 FT X 12 FT. SWING GATE

CONTRACTOR STAGING AREA #2

TO COOK AVENUE SITE ACCESS

ASPHALT

77 COOPER STREET

GATE

116 COOK AVENUE

COURT YARD

BUILDING A (3-STORY BUILDING)

BUILDING A ADDITION 1 (4-STORY BUILDING)

FORMER MEDICAL BUILDING (TO REMAIN)

ASPHALT

STONE RETAINING WALL TO REMAIN

DEMOLISH AND REMOVE BUILDING B

NEW FENCE PORTION WHERE BUILDING REMOVED

BUILD. B

BUILD. B BRIDGE

DEMOLISH AND REMOVE BUILDING B BRIDGE SUPERSTRUCTURE

BUILDING B BRIDGE SUBSTRUCTURE TO REMAIN

DEMOLISH AND REMOVE AIR HANDLER (CYLONE)

RETAINING WALL AND AIR HANDLER (CYLONE) FOUNDATION TO REMAIN

BUILDING A ADDITION 2 (4-STORY BUILDING)

104 BUTLER STREET

CONTRACTOR STAGING AREA #4

DEMOLISH AND REMOVE WATER TANK

TO CHERRY STREET SITE ACCESS

GATE

FORMER POWER HOUSE (TO REMAIN)

GATE

OVERHEAD PIPING AND PIPE RACKS, BRACING, SUPPORTS, AND SUPPORT FOUNDATIONS REMOVED BY OTHERS (TYP.)

DEMOLISH AND REMOVE WALK BRIDGE SUPERSTRUCTURE

HARBOR BROOK FLOW

WALK BRIDGE

E

EXISTING ELECTRICAL CONDUIT ATTACHED TO WALK BRIDGE SUPERSTRUCTURE

E

EXIST. GATE

GATE

NEW 6 FT X 12 FT. SWING GATE

ASPHALT

TO BUTLER STREET SITE ACCESS

CONTRACTOR STAGING AREA #3

DEMOLISH AND REMOVE BUILDING A AND BUILDING A ADDITIONS 1 & 2

COURT YARD

ASPHALT

CITY OF MERIDEN
FACTORY H

SITE PLAN

AECOM
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WWW.AECOM.COM

DRN BY: ---
DES BY: ---
CHK BY: ---
APP BY: ----

1-INCH — VERIFY SCALE IF PLAN SHEET IS REDUCED

REV	DESCRIPTION	DRN	CHK	DATE (M/D/Y)

PROJECT START DATE (M / Y): JULY 2011
PROJECT NO.: 60148468
FILENAME: CZMER002 site plan.dwg
DRAWING NO.: 02

Plotted By: serraj
Plot File Date Created: Jul/14/2011 4:28 PM
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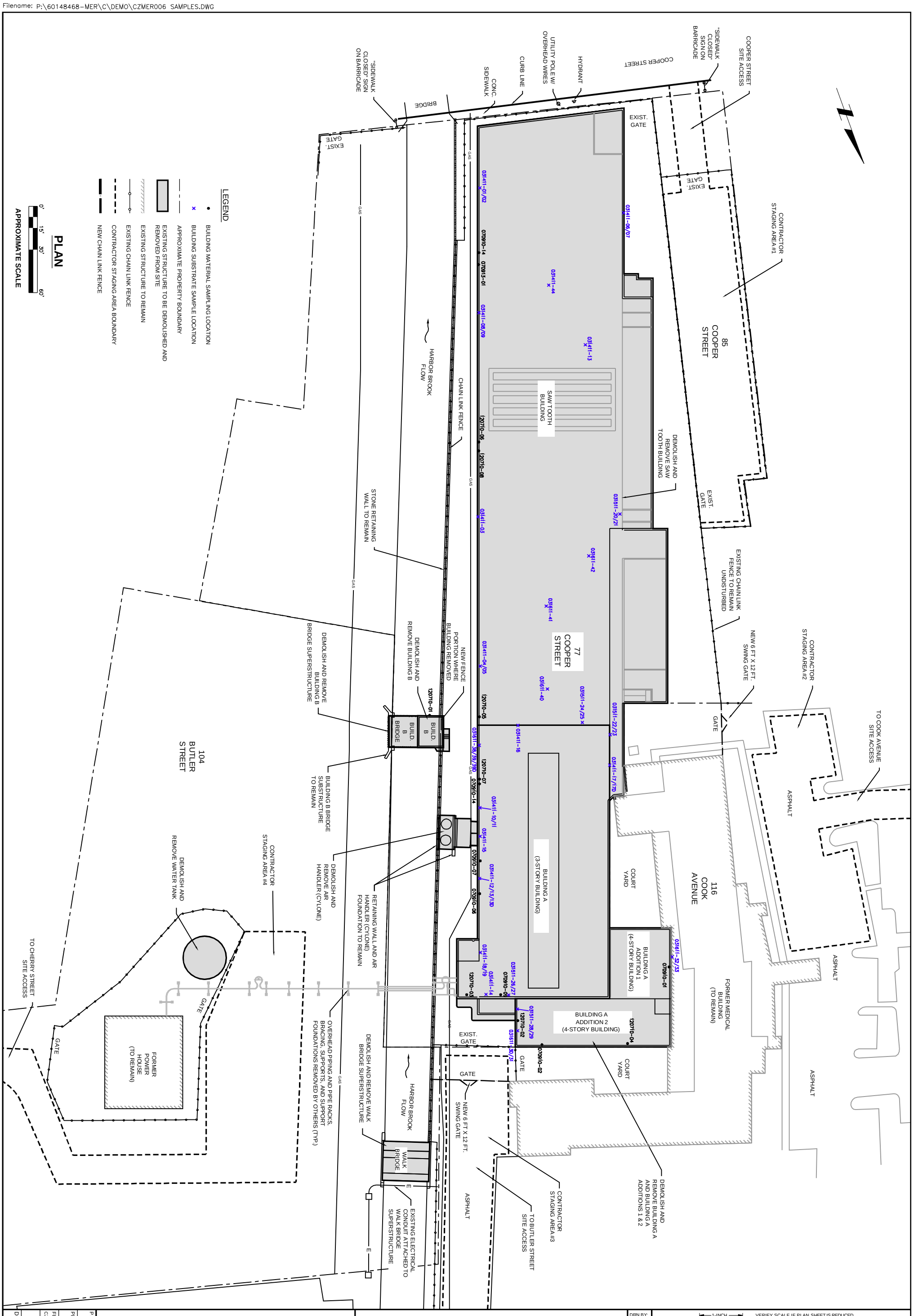

CITY OF MERIDEN
FACTORY H

BUILDING MATERIALS AND SUBSTRATES SAMPLING LOCATION

AECOM
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DRN BY:	---
DES BY:	---
CHK BY:	---
APP BY:	----

1-INCH — VERIFY SCALE IF PLAN SHEET IS REDUCED

REV	DESCRIPTION	DRN	CHK	DATE (M/D/Y)

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PROJECT NO.	60148468
FILENAME	CZMER006 samples.dwg
DRAWING NO.	03

Plotted By: serraj
Plot File Date Created: Jul/14/2011 4:29 PM
Layout-Sheet Name: FIG 04
Filename: P:\60148468-MER\C\DEMO\CZMER006 SAMPLES.DWG

PLAN

APPROXIMATE SCALE

0' 15' 30' 60'

LEGEND

- SOIL SAMPLING LOCATIONS
- APPROXIMATE PROPERTY BOUNDARY
- EXISTING STRUCTURE TO BE DEMOLISHED AND REMOVED FROM SITE
- EXISTING STRUCTURE TO REMAIN
- EXISTING CHAIN LINK FENCE
- CONTRACTOR STAGING AREA BOUNDARY
- NEW CHAIN LINK FENCE

COOPER STREET
"SIDEWALK CLOSED" SIGN ON BARRICADE
COOPER STREET SITE ACCESS
HYDRANT
UTILITY POLE W/ OVERHEAD WIRES
CURB LINE
CONC. SIDEWALK
"SIDEWALK CLOSED" SIGN ON BARRICADE
BRIDGE
EXIST. GATE
EXIST. GATE
EXIST. GATE
CONTRACTOR STAGING AREA #1
85 COOPER STREET
ASPHALT
TO COOK AVENUE SITE ACCESS
CONTRACTOR STAGING AREA #2
EXISTING CHAIN LINK FENCE TO REMAIN UNDISTURBED
NEW 6 FT X 12 FT. SWING GATE
GATE
77 COOPER STREET
DEMOLISH AND REMOVE SAW TOOTH BUILDING
SAW TOOTH BUILDING
EXIST. GATE
CHAIN LINK FENCE
HARBOR BROOK FLOW
AREA REMEDIATED BY OTHERS AND COVERED WITH 2' OF TRAPROCK
STONE RETAINING WALL TO REMAIN
DEMOLISH AND REMOVE BUILDING B BRIDGE SUPERSTRUCTURE
DEMOLISH AND REMOVE BUILDING B
NEW FENCE WHERE BUILDING REMOVED
BUILD. B
BUILD. B BRIDGE
BUILDING B BRIDGE SUBSTRUCTURE TO REMAIN
104 BUTLER STREET
BUILDING A (3-STORY BUILDING)
COURT YARD
BUILDING A ADDITION 1 (4-STORY BUILDING)
116 COOK AVENUE
FORMER MEDICAL BUILDING (TO REMAIN)
ASPHALT
DEMOLISH AND REMOVE AIR HANDLER (CYLONE)
RETAINING WALL AND AIR HANDLER (CYLONE) FOUNDATION TO REMAIN
AREA REMEDIATED BY OTHERS AND COVERED WITH 2' OF TRAPROCK
BUILDING A ADDITION 2 (4-STORY BUILDING)
CONTRACTOR STAGING AREA #4
DEMOLISH AND REMOVE WATER TANK
GATE
FORMER POWER HOUSE (TO REMAIN)
OVERHEAD PIPING AND PIPE RACKS, BRACING, SUPPORTS, AND SUPPORT FOUNDATIONS REMOVED BY OTHERS (TYP.)
DEMOLISH AND REMOVE WALK BRIDGE SUPERSTRUCTURE
HARBOR BROOK FLOW
WALK BRIDGE
EXISTING ELECTRICAL CONDUIT ATTACHED TO WALK BRIDGE SUPERSTRUCTURE
EXIST. GATE
GATE
NEW 6 FT X 12 FT. SWING GATE
ASPHALT
TO BUTLER STREET SITE ACCESS
CONTRACTOR STAGING AREA #3
DEMOLISH AND REMOVE BUILDING A AND BUILDING A ADDITIONS 1 & 2
TO CHERRY STREET SITE ACCESS
GAS
E

CITY OF MERIDEN
FACTORY H

SURFACE COVER MATERIAL SAMPLE LOCATIONS

AECOM
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WWW.AECOM.COM

DRN BY:	---
DES BY:	---
CHK BY:	---
APP BY:	----

1-INCH — VERIFY SCALE IF PLAN SHEET IS REDUCED

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FILENAME	CZMER006 samples.dwg
DRAWING NO.	04

Plotted By: serraj
Plot File Date Created: Jul/14/2011 4:30 PM
Layout-Sheet Name: FIG 05
Filename: P:\60148468-MER\C\DEMO\CZMER006 SAMPLES.DWG

PLAN

APPROXIMATE SCALE
0' 15' 30' 60'

LEGEND
- PCB BULK PRODUCT WASTES
- APPROXIMATE PROPERTY BOUNDARY
- EXISTING STRUCTURE TO BE DEMOLISHED AND REMOVED FROM SITE
- EXISTING STRUCTURE TO REMAIN
- EXISTING CHAIN LINK FENCE
- CONTRACTOR STAGING AREA BOUNDARY
- NEW CHAIN LINK FENCE

COOPER STREET
COOPER STREET SITE ACCESS
"SIDEWALK CLOSED" SIGN ON BARRICADE
HYDRANT
UTILITY POLE W/ OVERHEAD WIRES
CURB LINE
CONC. SIDEWALK
"SIDEWALK CLOSED" SIGN ON BARRICADE
BRIDGE
EXIST. GATE
GAS
EXIST. GATE
EXIST. GATE
CONTRACTOR STAGING AREA #1
85 COOPER STREET
EXIST. GATE
C7, EXTERIOR SILL AND LINTEL CAULK
G1 WINDOW GLAZING
C14 WINDOW CAULK
HARBOR BROOK FLOW
CHAIN LINK FENCE
SAW TOOTH BUILDING
DEMOLISH AND REMOVE SAW TOOTH BUILDING
EXIST. GATE
STONE RETAINING WALL TO REMAIN
EXISTING CHAIN LINK FENCE TO REMAIN UNDISTURBED
NEW 6 FT X 12 FT. SWING GATE
CONTRACTOR STAGING AREA #2
77 COOPER STREET
NEW FENCE PORTION WHERE BUILDING REMOVED
DEMOLISH AND REMOVE BUILDING B
DEMOLISH AND REMOVE BUILDING B BRIDGE SUPERSTRUCTURE
BUILD. B
BUILD. B BRIDGE
GATE
TO COOK AVENUE SITE ACCESS
ASPHALT
104 BUTLER STREET
BUILDING B BRIDGE SUBSTRUCTURE TO REMAIN
C5, CAPSTONE CAULKS
BUILDING A (3-STORY BUILDING)
COURT YARD
116 COOK AVENUE
BUILDING A ADDITION 1 (4-STORY BUILDING)
DEMOLISH AND REMOVE AIR HANDLER (CYLONE)
RETAINING WALL AND AIR HANDLER (CYLONE) FOUNDATION TO REMAIN
CONTRACTOR STAGING AREA #4
DEMOLISH AND REMOVE WATER TANK
FORMER MEDICAL BUILDING (TO REMAIN)
ASPHALT
TO CHERRY STREET SITE ACCESS
GATE
FORMER POWER HOUSE (TO REMAIN)
GAS
OVERHEAD PIPING AND PIPE RACKS, BRACING, SUPPORTS, AND SUPPORT FOUNDATIONS REMOVED BY OTHERS (TYP.)
DEMOLISH AND REMOVE WALK BRIDGE SUPERSTRUCTURE
HARBOR BROOK FLOW
EXIST. GATE
GATE
NEW 6 FT X 12 FT. SWING GATE
WALK BRIDGE
E
E
EXISTING ELECTRICAL CONDUIT ATTACHED TO WALK BRIDGE SUPERSTRUCTURE
ASPHALT
COURT YARD
GATE
TO BUTLER STREET SITE ACCESS
CONTRACTOR STAGING AREA #3
DEMOLISH AND REMOVE BUILDING A AND BUILDING A ADDITIONS 1 & 2
BUILDING A ADDITION 2 (4-STORY BUILDING)
ASPHALT

CITY OF MERIDEN
FACTORY H

PCB BULK PRODUCT WASTE LOCATIONS

AECOM
500 Enterprise Drive, Suite 1A
Rocky Hill, CT 06067-5729
T 860.263.5800 F 860.263.5777
WWW.AECOM.COM

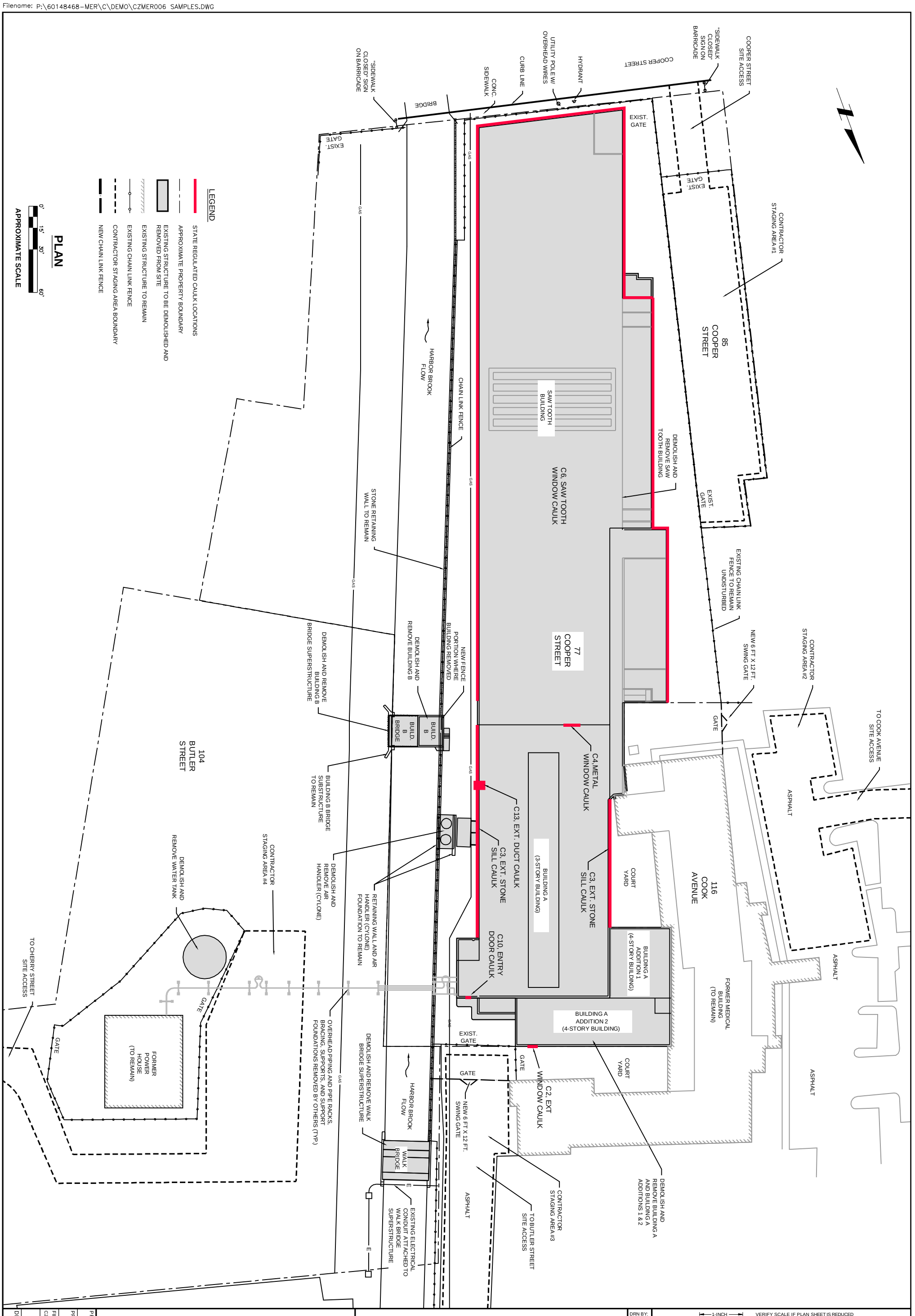
DRN BY: ---
DES BY: ---
CHK BY: ---
APP BY: ----

1-INCH VERIFY SCALE IF PLAN SHEET IS REDUCED

REV	DESCRIPTION	DRN	CHK	DATE (M/D/Y)

PROJECT START DATE (M / Y): JULY 2011
PROJECT NO.: 60148468
FILENAME: CZMER006 samples.dwg
DRAWING NO.: 05

Plotted By: serraj
Plot File Date Created: Jul/14/2011 4:31 PM
Layout-Sheet Name: FIG 06
Filename: P:\60148468-MER\C\DEMO\CZMER006 SAMPLES.DWG



CITY OF MERIDEN
FACTORY H

STATE REGULATED CAULK LOCATIONS

AECOM
500 Enterprise Drive, Suite 1A
Rocky Hill, CT 06067-5729
T 860.263.5800 F 860.263.5777
WWW.AECOM.COM

DRN BY:	---
DES BY:	---
CHK BY:	---
APP BY:	----
PROJECT START DATE (M / Y)	JULY 2011
PROJECT NO.	60148468
FILENAME	CZMER006 samples.dwg
DRAWING NO.	90

1-INCH — VERIFY SCALE IF PLAN SHEET IS REDUCED

REV	DESCRIPTION	DRN	CHK	DATE (M/D/Y)

Appendix A

Analytical Data Reports

PHOENIX
Environmental Laboratories, Inc.

Wednesday, December 15, 2010

Attn: Mr. Jim Twitchell
Hygenix
49 Woodside St.
Stamford, CT 06902

Project ID: FORMER INT. SILVER COMPANY - MERIDEN
Sample ID#s: AZ85436 - AZ85443

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 15, 2010

FOR: Attn: Mr. Jim Twitchell
Hygenix
49 Woodside St.
Stamford, CT 06902

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/07/10	15:00
Location Code:	HYGENIX	Received by:	LB	12/08/10	16:51
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GAZ85436
Phoenix ID: AZ85436

Project ID: FORMER INT. SILVER COMPANY - MERIDEN

Client ID: 120710-01

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	12/08/10			E160.3
Caulk Extraction for PCB	Completed			12/08/10		BB/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1221	ND	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1232	ND	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1242	ND	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1248	ND	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1254	ND	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1260	ND	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1262	ND	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1268	ND	820	ug/Kg	12/10/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	117		%	12/10/10		MH	3540C/8082
% TCMX	92		%	12/10/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
December 16, 2010

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 15, 2010

FOR: Attn: Mr. Jim Twitchell
Hygenix
49 Woodside St.
Stamford, CT 06902

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/07/10	15:00
Location Code:	HYGENIX	Received by:	LB	12/08/10	16:51
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GAZ85436
Phoenix ID: AZ85437

Project ID: FORMER INT. SILVER COMPANY - MERIDEN

Client ID: 120710-02

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	12/08/10			E160.3
Caulk Extraction for PCB	Completed			12/08/10		BB/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1221	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1232	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1242	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1248	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1254	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1260	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1262	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1268	ND	830	ug/Kg	12/10/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	112		%	12/10/10		MH	3540C/8082
% TCMX	88		%	12/10/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
December 16, 2010

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

December 15, 2010

FOR: Attn: Mr. Jim Twitchell
Hygenix
49 Woodside St.
Stamford, CT 06902

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/07/10	15:00
Location Code:	HYGENIX	Received by:	LB	12/08/10	16:51
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GAZ85436
Phoenix ID: AZ85438

Project ID: FORMER INT. SILVER COMPANY - MERIDEN

Client ID: 120710-03

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	12/08/10			E160.3
Caulk Extraction for PCB	Completed			12/08/10		BB/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1221	ND	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1232	ND	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1242	ND	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1248	ND	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1254	2200	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1260	ND	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1262	ND	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1268	ND	820	ug/Kg	12/10/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	116		%	12/10/10		MH	3540C/8082
% TCMX	94		%	12/10/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
December 16, 2010

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 15, 2010

FOR: Attn: Mr. Jim Twitchell
Hygenix
49 Woodside St.
Stamford, CT 06902

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/07/10	15:00
Location Code:	HYGENIX	Received by:	LB	12/08/10	16:51
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GAZ85436
Phoenix ID: AZ85439

Project ID: FORMER INT. SILVER COMPANY - MERIDEN

Client ID: 120710-04

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	12/08/10			E160.3
Caulk Extraction for PCB	Completed			12/08/10		BB/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1221	ND	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1232	ND	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1242	ND	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1248	ND	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1254	960	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1260	ND	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1262	ND	820	ug/Kg	12/10/10		MH	3540C/8082
PCB-1268	ND	820	ug/Kg	12/10/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	128		%	12/10/10		MH	3540C/8082
% TCMX	88		%	12/10/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
December 16, 2010

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 15, 2010

FOR: Attn: Mr. Jim Twitchell
Hygenix
49 Woodside St.
Stamford, CT 06902

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/07/10	15:00
Location Code:	HYGENIX	Received by:	LB	12/08/10	16:51
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GAZ85436
Phoenix ID: AZ85440

Project ID: FORMER INT. SILVER COMPANY - MERIDEN

Client ID: 120710-05

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	12/08/10			E160.3
Caulk Extraction for PCB	Completed			12/08/10		BB/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1221	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1232	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1242	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1248	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1254	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1260	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1262	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1268	ND	830	ug/Kg	12/10/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	117		%	12/10/10		MH	3540C/8082
% TCMX	94		%	12/10/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
December 16, 2010

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 15, 2010

FOR: Attn: Mr. Jim Twitchell
Hygenix
49 Woodside St.
Stamford, CT 06902

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/07/10	15:00
Location Code:	HYGENIX	Received by:	LB	12/08/10	16:51
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GAZ85436
Phoenix ID: AZ85441

Project ID: FORMER INT. SILVER COMPANY - MERIDEN

Client ID: 120710-06

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	12/08/10			E160.3
Caulk Extraction for PCB	Completed			12/08/10		BB/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1221	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1232	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1242	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1248	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1254	2400	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1260	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1262	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1268	ND	830	ug/Kg	12/10/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	108		%	12/10/10		MH	3540C/8082
% TCMX	90		%	12/10/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
December 16, 2010

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 15, 2010

FOR: Attn: Mr. Jim Twitchell
Hygenix
49 Woodside St.
Stamford, CT 06902

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/07/10	15:00
Location Code:	HYGENIX	Received by:	LB	12/08/10	16:51
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GAZ85436
Phoenix ID: AZ85442

Project ID: FORMER INT. SILVER COMPANY - MERIDEN

Client ID: 120710-07

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	12/08/10			E160.3
Caulk Extraction for PCB	Completed			12/08/10		BB/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	810	ug/Kg	12/10/10		MH	3540C/8082
PCB-1221	ND	810	ug/Kg	12/10/10		MH	3540C/8082
PCB-1232	ND	810	ug/Kg	12/10/10		MH	3540C/8082
PCB-1242	ND	810	ug/Kg	12/10/10		MH	3540C/8082
PCB-1248	ND	810	ug/Kg	12/10/10		MH	3540C/8082
PCB-1254	2600	810	ug/Kg	12/10/10		MH	3540C/8082
PCB-1260	ND	810	ug/Kg	12/10/10		MH	3540C/8082
PCB-1262	ND	810	ug/Kg	12/10/10		MH	3540C/8082
PCB-1268	ND	810	ug/Kg	12/10/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	114		%	12/10/10		MH	3540C/8082
% TCMX	96		%	12/10/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
December 16, 2010

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 15, 2010

FOR: Attn: Mr. Jim Twitchell
Hygenix
49 Woodside St.
Stamford, CT 06902

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		12/07/10	15:00
Location Code:	HYGENIX	Received by:	LB	12/08/10	16:51
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GAZ85436
Phoenix ID: AZ85443

Project ID: FORMER INT. SILVER COMPANY - MERIDEN

Client ID: 120710-08

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	12/08/10			E160.3
Caulk Extraction for PCB	Completed			12/08/10		BB/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1221	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1232	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1242	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1248	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1254	2300	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1260	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1262	ND	830	ug/Kg	12/10/10		MH	3540C/8082
PCB-1268	ND	830	ug/Kg	12/10/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	106		%	12/10/10		MH	3540C/8082
% TCMX	95		%	12/10/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
December 16, 2010

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

QA/QC Report

December 16, 2010

QA/QC Data

SDG I.D.: GAZ85436

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 167120, QC Sample No: AZ85436 (AZ85436, AZ85437, AZ85438, AZ85439, AZ85440, AZ85441, AZ85442, AZ85443)							
Polychlorinated Biphenyls							
PCB-1016	ND	92	106	14.1			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	98	96	2.1			
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	101	96	96	0.0			
% TCMX (Surrogate Rec)	83	79	78	1.3			

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
December 16, 2010

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: service@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 0.0 Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: Jtwitchell@hygenix.com

Customer: Hygenix, Inc.
Address: 49 Woodside St. Stamford, CT 06902

Project: Former Int. Silver Co., Meriden, CT
Report to: Jim Twitchell
Invoice to: "

Project P.O:
Phone #: 203-324-2222
Fax #: 324-3876

Client Sample-Information - Identification

Sampler's Signature: [signature] Date 12/07/10

Matrix Code:
DW=drinking water **WW**=wastewater **S**=soil/solid **O**=other
GW=groundwater **SL**=sludge **A**=air

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	PCB by Soxhlet Method	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H20	GL Soil container ( ) oz	GL Soil container (3) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
85436	120710-01	O	12/07	15:00	X			1							
85437	120710-02	O	12/07	15:00	X			1							
85438	120710-03	O	12/07	15:00	X			1							
85439	120710-04	O	12/07	15:00	X			1							
85440	120710-05	O	12/07	15:00	X			1							
85441	120710-06	O	12/07	15:00	X			1							
85442	120710-07	O	12/07	15:00	X			1							
85443	120710-08	O	12/07	15:00	X			1							

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	12/7/10	1529
[signature]	[signature]	12/8/10	9:20
[signature]	[signature]	12/8/10	16:51

Comments, Special Requirements or Regulations:
Please try for 1ppm detection limit.

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

CT/RI
☐ RCP Cert.
☐ GW Protect.
☐ GA Mobility
☐ GB Mobility
☐ SW Protect.
☐ Res. Vol.
☐ Ind. Vol.
☐ Res. Criteria
☐ Other

MA
☐ MCP Cert.
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: CT

Data Format
☐ Excel
☒ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ ASP-A
☐ NJ Reduced Deliv. *
☐ NJ Hazsite EDD
☐ Phoenix Std Report
☐ Other

PHOENIX
Environmental Laboratories, Inc.

Wednesday, July 21, 2010

Attn: Mr. Jim Twitchell
Hygenix
49 Woodside St.
Stamford, CT 06902

Project ID: FORMER INT. SILVER COMPANY - MERIDEN
Sample ID#s: AZ24865 - AZ24871

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 21, 2010

FOR: Attn: Mr. Jim Twitchell
Hygenix
49 Woodside St.
Stamford, CT 06902

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/09/10	13:00
Location Code:	HYGENIX	Received by:	LB	07/16/10	16:09
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GAZ24865
Phoenix ID: AZ24865

Project ID: FORMER INT. SILVER COMPANY - MERIDEN

Client ID: 070910-01

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	07/19/10		H / JL	E160.3
Caulk Extraction for PCB	Completed			07/16/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1221	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1232	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1242	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1248	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1254	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1260	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1262	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1268	ND	830	ug/Kg	07/19/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	113		%	07/19/10		MH	3540C/8082
% TCMX	105		%	07/19/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
July 22, 2010

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 21, 2010

FOR: Attn: Mr. Jim Twitchell
Hygenix
49 Woodside St.
Stamford, CT 06902

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/09/10	13:00
Location Code:	HYGENIX	Received by:	LB	07/16/10	16:09
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GAZ24865
Phoenix ID: AZ24866

Project ID: FORMER INT. SILVER COMPANY - MERIDEN

Client ID: 070910-02

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	07/19/10		H / JL	E160.3
Caulk Extraction for PCB	Completed			07/16/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1221	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1232	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1242	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1248	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1254	1500	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1260	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1262	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1268	ND	830	ug/Kg	07/19/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Interference		%	07/19/10		MH	3540C/8082
% TCMX	110		%	07/19/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
July 22, 2010

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 21, 2010

FOR: Attn: Mr. Jim Twitchell
Hygenix
49 Woodside St.
Stamford, CT 06902

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/09/10	13:00
Location Code:	HYGENIX	Received by:	LB	07/16/10	16:09
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GAZ24865
Phoenix ID: AZ24867

Project ID: FORMER INT. SILVER COMPANY - MERIDEN

Client ID: 070910-06

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	07/19/10		H / JL	E160.3
Caulk Extraction for PCB	Completed			07/16/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1221	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1232	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1242	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1248	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1254	1200	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1260	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1262	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1268	ND	830	ug/Kg	07/19/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	107		%	07/19/10		MH	3540C/8082
% TCMX	105		%	07/19/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
July 22, 2010

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 21, 2010

FOR: Attn: Mr. Jim Twitchell
Hygenix
49 Woodside St.
Stamford, CT 06902

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/09/10	13:00
Location Code:	HYGENIX	Received by:	LB	07/16/10	16:09
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GAZ24865
Phoenix ID: AZ24868

Project ID: FORMER INT. SILVER COMPANY - MERIDEN

Client ID: 070910-07

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	07/19/10		H / JL	E160.3
Caulk Extraction for PCB	Completed			07/16/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1221	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1232	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1242	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1248	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1254	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1260	4400	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1262	ND	830	ug/Kg	07/19/10		MH	3540C/8082
PCB-1268	ND	830	ug/Kg	07/19/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	111		%	07/19/10		MH	3540C/8082
% TCMX	106		%	07/19/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
July 22, 2010

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 21, 2010

FOR: Attn: Mr. Jim Twitchell
Hygenix
49 Woodside St.
Stamford, CT 06902

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/09/10	13:00
Location Code:	HYGENIX	Received by:	LB	07/16/10	16:09
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GAZ24865
Phoenix ID: AZ24869

Project ID: FORMER INT. SILVER COMPANY - MERIDEN

Client ID: 070910-09

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	07/19/10		H / JL	E160.3
Caulk Extraction for PCB	Completed			07/16/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	17000000	ug/Kg	07/20/10		MH	3540C/8082
PCB-1221	ND	17000000	ug/Kg	07/20/10		MH	3540C/8082
PCB-1232	ND	17000000	ug/Kg	07/20/10		MH	3540C/8082
PCB-1242	ND	17000000	ug/Kg	07/20/10		MH	3540C/8082
PCB-1248	ND	17000000	ug/Kg	07/20/10		MH	3540C/8082
PCB-1254	110000000	17000000	ug/Kg	07/20/10		MH	3540C/8082
PCB-1260	ND	17000000	ug/Kg	07/20/10		MH	3540C/8082
PCB-1262	ND	17000000	ug/Kg	07/20/10		MH	3540C/8082
PCB-1268	ND	17000000	ug/Kg	07/20/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	07/20/10		MH	3540C/8082
% TCMX	Diluted Out		%	07/20/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
July 22, 2010

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 21, 2010

FOR: Attn: Mr. Jim Twitchell
Hygenix
49 Woodside St.
Stamford, CT 06902

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/09/10	13:00
Location Code:	HYGENIX	Received by:	LB	07/16/10	16:09
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GAZ24865
Phoenix ID: AZ24870

Project ID: FORMER INT. SILVER COMPANY - MERIDEN

Client ID: 070910-14

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	07/19/10		H / JL	E160.3
Caulk Extraction for PCB	Completed			07/16/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	1700	ug/Kg	07/21/10		MH	3540C/8082
PCB-1221	ND	1700	ug/Kg	07/21/10		MH	3540C/8082
PCB-1232	ND	1700	ug/Kg	07/21/10		MH	3540C/8082
PCB-1242	ND	1700	ug/Kg	07/21/10		MH	3540C/8082
PCB-1248	ND	1700	ug/Kg	07/21/10		MH	3540C/8082
PCB-1254	3100	1700	ug/Kg	07/21/10		MH	3540C/8082
PCB-1260	ND	1700	ug/Kg	07/21/10		MH	3540C/8082
PCB-1262	ND	1700	ug/Kg	07/21/10		MH	3540C/8082
PCB-1268	ND	1700	ug/Kg	07/21/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	117		%	07/21/10		MH	3540C/8082
% TCMX	96		%	07/21/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
July 22, 2010

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 21, 2010

FOR: Attn: Mr. Jim Twitchell
Hygenix
49 Woodside St.
Stamford, CT 06902

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/13/10	14:00
Location Code:	HYGENIX	Received by:	LB	07/16/10	16:09
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GAZ24865
Phoenix ID: AZ24871

Project ID: FORMER INT. SILVER COMPANY - MERIDEN

Client ID: 070910-01

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	07/19/10		H / JL	E160.3
Caulk Extraction for PCB	Completed			07/16/10		BB/E	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	17000000	ug/Kg	07/20/10		MH	3540C/8082
PCB-1221	ND	17000000	ug/Kg	07/20/10		MH	3540C/8082
PCB-1232	ND	17000000	ug/Kg	07/20/10		MH	3540C/8082
PCB-1242	ND	17000000	ug/Kg	07/20/10		MH	3540C/8082
PCB-1248	ND	17000000	ug/Kg	07/20/10		MH	3540C/8082
PCB-1254	210000000	17000000	ug/Kg	07/20/10		MH	3540C/8082
PCB-1260	ND	17000000	ug/Kg	07/20/10		MH	3540C/8082
PCB-1262	ND	17000000	ug/Kg	07/20/10		MH	3540C/8082
PCB-1268	ND	17000000	ug/Kg	07/20/10		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	07/20/10		MH	3540C/8082
% TCMX	Diluted Out		%	07/20/10		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
July 22, 2010

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

QA/QC Report

July 22, 2010

QA/QC Data

SDG I.D.: GAZ24865

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 157204, QC Sample No: AZ24865 (AZ24865, AZ24866, AZ24867, AZ24868, AZ24869, AZ24870, AZ24871)							
Polychlorinated Biphenyls							
PCB-1016	ND	103	98	5.0			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	108	104	3.8			
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	93	95	92	3.2			
% TCMX (Surrogate Rec)	85	84	80	4.9			

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
July 22, 2010

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: service@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 10° Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: Jtwitchell@hygenix.com

Customer: Hygenix, Inc.
Address: 49 Woodside St. Stamford, CT 06902

Project: Former Int. Silver Company, Meriden
Report to: Jim Twitchell
Invoice to: Same

Project P.O:
Phone #: 203 324-2222
Fax #: 203 324-3876

Client Sample - Information - Identification

Sampler's Signature: _____ Date 07/16/10

Matrix Code:
DW=drinking water **WW**=wastewater **S**=soil/solid **O**=other
GW=groundwater **SL**=sludge **A**=air

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	PCB '04 Soxhlet Method	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H20	GL Soil container (2) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
24865	070910-01	O-Caulk	07/09	13:00	X		1								
24866	070910-02	O-Caulk	07/09	13:00	X		1								
24867	070910-06	O-Caulk	07/09	13:00	X		1								
24868	070910-07	O-Caulk	07/09	13:00	X		1								
24869	070910-09	O-Caulk	07/09	13:00	X		1								
24870	070910-14	O-Caulk	07/09	13:00	X		1								
24871	071310-01	O-Caulk	07/13	14:00	X		1								

Relinquished by:	Accepted by:	Date:	Time:
		7/16	16:09

Comments, Special Requirements or Regulations:

Please try for 1ppm detection limit

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other

* **SURCHARGE APPLIES**

CT/RI
☐ RCP Cert.
☐ GW Protect.
☐ GA Mobility
☐ GB Mobility
☐ SW Protect.
☐ Res. Vol.
☐ Ind. Vol.
☐ Res. Criteria
☐ Other

MA
☐ MCP Cert.
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: CT

Data Format
☐ Excel
☒ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ ASP-A
☐ NJ Reduced Deliv. *
☐ NJ Hazsite EDD
☐ Phoenix Std Report
☐ Other

PHOENIX
Environmental Laboratories, Inc.

Tuesday, March 22, 2011

Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Project ID: FORMER INTL SIVER CO., MERIDEN
Sample ID#s: BA10695 - BA10733, BA10914

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/14/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10695

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031411-01

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	2200	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	2200	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	2200	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	2200	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	2200	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	5000	2200	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	2200	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	2200	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	2200	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	03/16/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/14/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10696

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031411-02

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	390	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	390	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	390	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	390	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	390	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	620	390	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	390	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	390	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	390	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	106		%	03/16/11		MH	3540C/8082
% TCMX	105		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/14/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10697

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031411-03

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	1800	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	1800	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	1800	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	1800	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	1800	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	5200	1800	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	1800	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	1800	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	1800	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	03/16/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/14/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10698

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031411-05

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	420	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	105		%	03/16/11		MH	3540C/8082
% TCMX	103		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/14/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10699

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031411-06

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	540	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	540	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	540	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	540	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	540	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	740	540	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	540	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	540	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	540	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	110		%	03/16/11		MH	3540C/8082
% TCMX	110		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/14/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10700

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031411-07

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	640	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	640	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	640	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	640	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	640	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	740	640	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	640	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	640	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	640	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	112		%	03/16/11		MH	3540C/8082
% TCMX	109		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/14/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10701

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031411-08

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	1000	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	570	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	112		%	03/16/11		MH	3540C/8082
% TCMX	110		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/14/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10702

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031411-09

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	370	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	370	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	370	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	370	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	370	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	710	370	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	370	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	370	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	370	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	112		%	03/16/11		MH	3540C/8082
% TCMX	107		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/14/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10703

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031411-10

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	440	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	440	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	440	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	440	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	440	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	440	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	440	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	440	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	440	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	103		%	03/16/11		MH	3540C/8082
% TCMX	102		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/14/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10704

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031411-11

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	100		%	03/16/11		MH	3540C/8082
% TCMX	100		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/14/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10705

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031411-12

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	103		%	03/16/11		MH	3540C/8082
% TCMX	100		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/14/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10706

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031411-13

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	100		%	03/16/11		MH	3540C/8082
% TCMX	102		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/14/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10707

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031411-13D

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	101		%	03/16/11		MH	3540C/8082
% TCMX	104		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/14/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10708

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031411-14

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	103		%	03/16/11		MH	3540C/8082
% TCMX	100		%	03/16/11		MH	3540C/8082

Comments:

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Phyllis Shiller, Laboratory Director
March 23, 2011

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

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Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/14/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10709

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031411-15

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	1800	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	1800	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	1800	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	1800	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	1800	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	6400	1800	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	1800	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	1800	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	1800	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	03/16/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/16/11		MH	3540C/8082

Comments:

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Phyllis Shiller, Laboratory Director
March 23, 2011

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Tel. (860) 645-1102 Fax (860) 645-0823

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Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/14/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10710

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031411-16

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	1200	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	570	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	108		%	03/16/11		MH	3540C/8082
% TCMX	104		%	03/16/11		MH	3540C/8082

Comments:

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Phyllis Shiller, Laboratory Director
March 23, 2011

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

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Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/14/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10711

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031411-17

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	390	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	390	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	390	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	390	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	390	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	560	390	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	390	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	390	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	390	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	117		%	03/16/11		MH	3540C/8082
% TCMX	109		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

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Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/14/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10712

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031411-17D

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	360	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	360	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	360	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	360	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	360	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	360	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	360	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	360	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	360	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	99		%	03/16/11		MH	3540C/8082
% TCMX	94		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/14/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10713

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031411-18

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	740	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	740	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	740	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	740	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	740	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	740	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	740	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	740	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	740	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	122		%	03/16/11		MH	3540C/8082
% TCMX	94		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10714

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-19

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	500	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	500	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	500	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	500	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	500	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	500	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	500	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	500	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	500	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	129		%	03/16/11		MH	3540C/8082
% TCMX	97		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10715

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-20

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	520	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	520	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	520	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	520	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	520	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	520	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	520	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	520	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	520	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	124		%	03/16/11		MH	3540C/8082
% TCMX	92		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

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Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10716

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-21

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	570	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	570	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	127		%	03/16/11		MH	3540C/8082
% TCMX	92		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

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Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10717

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-22

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	130		%	03/16/11		MH	3540C/8082
% TCMX	96		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10718

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-23

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	122		%	03/16/11		MH	3540C/8082
% TCMX	96		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10719

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-24

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	630	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	630	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	630	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	630	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	630	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	630	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	630	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	630	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	630	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	122		%	03/16/11		MH	3540C/8082
% TCMX	97		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10720

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-25

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	126		%	03/16/11		MH	3540C/8082
% TCMX	100		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10721

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-26

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	410	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	124		%	03/16/11		MH	3540C/8082
% TCMX	95		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10722

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-27

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	124		%	03/16/11		MH	3540C/8082
% TCMX	98		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10723

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-28

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	510	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	510	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	510	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	510	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	510	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	510	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	510	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	510	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	510	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	120		%	03/16/11		MH	3540C/8082
% TCMX	98		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10724

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-29

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	134		%	03/16/11		MH	3540C/8082
% TCMX	102		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10725

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-S1

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	76		%	03/15/11		JL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	430	ug/Kg	03/18/11		MH	3540C/8082
PCB-1221	ND	430	ug/Kg	03/18/11		MH	3540C/8082
PCB-1232	ND	430	ug/Kg	03/18/11		MH	3540C/8082
PCB-1242	ND	430	ug/Kg	03/18/11		MH	3540C/8082
PCB-1248	ND	430	ug/Kg	03/18/11		MH	3540C/8082
PCB-1254	ND	430	ug/Kg	03/18/11		MH	3540C/8082
PCB-1260	ND	430	ug/Kg	03/18/11		MH	3540C/8082
PCB-1262	ND	430	ug/Kg	03/18/11		MH	3540C/8082
PCB-1268	ND	430	ug/Kg	03/18/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Interference		%	03/18/11		MH	3540C/8082
% TCMX	80		%	03/18/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10726

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-S2

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	78		%	03/15/11		JL	E160.3
Extraction for PCB	Completed			03/15/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	420	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Interference		%	03/16/11		MH	3540C/8082
% TCMX	85		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10727

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-S3

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	78		%	03/15/11		JL	E160.3
Extraction for PCB	Completed			03/15/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	420	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	420	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Interference		%	03/16/11		MH	3540C/8082
% TCMX	92		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10728

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-S4

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	64		%	03/15/11		JL	E160.3
Extraction for PCB	Completed			03/15/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	510	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	510	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	510	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	510	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	510	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	510	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	510	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	510	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	510	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	135		%	03/16/11		MH	3540C/8082
% TCMX	100		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10729

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-S5

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	75		%	03/15/11		JL	E160.3
Extraction for PCB	Completed			03/15/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	440	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	440	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	440	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	440	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	440	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	440	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	440	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	440	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	440	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	107		%	03/16/11		MH	3540C/8082
% TCMX	97		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10730

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-S6

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	72		%	03/15/11		JL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	450	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	450	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	450	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	450	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	450	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	450	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	450	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	450	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	450	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	120		%	03/16/11		MH	3540C/8082
% TCMX	99		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10731

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-S7

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	82		%	03/15/11		JL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	400	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	400	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	400	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	400	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	400	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	400	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	400	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	400	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	400	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	131		%	03/16/11		MH	3540C/8082
% TCMX	101		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10732

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-S8

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	78		%	03/15/11		JL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	410	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	131		%	03/16/11		MH	3540C/8082
% TCMX	99		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr. Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	LB	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10733

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-S9

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	91		%	03/15/11		JL	E160.3
Extraction for PCB	Completed			03/15/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	370	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	370	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	370	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	370	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	370	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	410	370	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	370	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	370	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	370	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	100		%	03/16/11		MH	3540C/8082
% TCMX	109		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 22, 2011

FOR: Attn: Mr Malcolm Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/14/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/15/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA10695
Phoenix ID: BA10914

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031411-04

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/15/11		DL	E160.3
Extraction for PCB	Completed			03/15/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1221	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1232	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1242	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1248	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1254	1700	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1260	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1262	ND	410	ug/Kg	03/16/11		MH	3540C/8082
PCB-1268	ND	410	ug/Kg	03/16/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	77		%	03/16/11		MH	3540C/8082
% TCMX	85		%	03/16/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 23, 2011

QA/QC Data

SDG I.D.: GBA10695

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 172438, QC Sample No: BA10725 (BA10706, BA10707, BA10708, BA10709, BA10710, BA10711, BA10712, BA10713, BA10714, BA10715, BA10716, BA10717, BA10718, BA10719, BA10720, BA10721, BA10722, BA10723, BA10724, BA10725)							
Polychlorinated Biphenyls							
PCB-1016	ND	107	107	0.0	93	95	2.1
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	107	107	0.0	80	104	26.1
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	129	113	115	1.8	Interference	Interference	NC
% TCMX (Surrogate Rec)	100	90	92	2.2	64	72	11.8
QA/QC Batch 172439, QC Sample No: BA10726 (BA10726, BA10727, BA10728, BA10729, BA10914)							
Polychlorinated Biphenyls							
PCB-1016	ND	102	100	2.0			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	105	103	1.9			
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	103	89	86	3.4			
% TCMX (Surrogate Rec)	96	84	84	0.0			
QA/QC Batch 172437, QC Sample No: BA10731 (BA10695, BA10696, BA10697, BA10698, BA10699, BA10700, BA10701, BA10702, BA10703, BA10704, BA10705, BA10730, BA10731, BA10732, BA10733)							
Polychlorinated Biphenyls							
PCB-1016	ND	91	93	2.2			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	105	105	0.0			
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	143	122	128	4.8			
% TCMX (Surrogate Rec)	93	80	79	1.3			

1

QA/QC Data

SDG I.D.: GBA10695

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD

Comment:

* The MS/MSD could not be reported due to matrix interference in the unspiked sample. LCS\LCSD recoveries were within QA/QC limits.

1 = This parameter is outside laboratory blank specified limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: service@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 6° Pg 1 of 4

Data Delivery:
☐ Fax #:
☒ Email:

Customer: AECOM - Malcom Beeler
Address: 50 Enterprise Drive, Suite 1A, Rocky Hill, CT
Project: Former Int'l Silver Co. Meriden
Report to: AECOM - Malcom Beeler
Invoice to: AECOM
Project P.O:
Phone #: (860)263-5800
Fax #:

Client Sample - Information - Identification

Sampler's Signature: Lloyd
Date 3-14-11

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=other
GW=groundwater SL=sludge A=air

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	PCBs 8082/3540	Soil VOA [ ]Methanol [ ]S. Bisulfate [ ]H20	GL Soil container (2-0) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ]As is [ ]HCl	GL Amber 1000ml [ ]As is [ ]H2SO4	PL As is [ ]250ml [ ]500ml [ ]1000ml	PL H2SO4 [ ]250ml [ ]500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
10695	031411-01	S	3-14-11		X	X									
10696	031411-02	S	3-14-11		X	X									
10697	031411-03	S	3-14-11		X	X									
10698	031411-05	S	3-14-11		X	X									
10699	031411-06	S	3-14-11		X	X									
10700	031411-07	S	3-14-11		X	X									
10701	031411-08	S	3-14-11		X	X									
10702	031411-09	S	3-14-11		X	X									
10703	031411-10	S	3-14-11		X	X									
10704	031411-11	S	3-14-11		X	X									
10705	031411-12	S	3-14-11		X	X									
10706	031411-13	S	3-14-11		X	X									

Relinquished by:	Accepted by:	Date:	Time:
Lloyd		3-15-11	14:30
		3/15/11	1610

Comments, Special Requirements or Regulations:
PCBs via Soxhlet Detection <1 ppm

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

CT/RI
☐ RCP Cert.
☐ GW Protect.
☐ GA Mobility
☐ GB Mobility
☐ SW Protect.
☐ Res. Vol.
☐ Ind. Vol.
☐ Res. Criteria
☐ Other

MA
☐ MCP Cert.
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ ASP-A
☐ NJ Reduced Deliv. *
☐ NJ Hazsite EDD
☐ Phoenix Std Report
☐ Other

State where samples were collected: Bldg. Material

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: service@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4.0 Pg 2 of 4

Data Delivery:
- [X] Fax #: _____
- [X] Email: _____

Customer: AECOM - Malcom Beeler
Address: 50 Enterprise Dr. Suite 1A, Rocky Hill, CT

Project: Former Int'l Silver Co.
Report to: Malcom Beeler - AECOM
Invoice to: AECOM

Project P.O: _____
Phone #: _____
Fax #: _____

Client Sample - Information - Identification

Sampler's Signature: _____ Date 3-15-11

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=other
GW=groundwater SL=sludge A=air

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	PCBs 8082/3540	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H20	GL Soil container (2-0) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
10707	031411-13 D	S	3-14-11		X							X			
10708	031411-14				X							X			
10709	031411-15				X										
10710	031411-16				X										
10711	031411-17				X										
10712	031411-17D				X										
10713	031411-18		↓		X										
10714	031511-19		3-15-11		X										
10715	031511-20				X										
10716	031511-21				X										
10717	031511-22				X										
10718	031511-23	↓	↓		X							↓			

Relinquished by:	Accepted by:	Date:	Time:
		3-15-11	14:30
		3/15/11	16:10

Comments, Special Requirements or Regulations:

PCBs via Soxhlet Method
Detect limit < 1 ppm

Turnaround:
- [ ] 1 Day*
- [ ] 2 Days*
- [ ] 3 Days*
- [X] Standard
- [ ] Other

* SURCHARGE APPLIES

CT/RI
- [ ] RCP Cert.
- [ ] GW Protect.
- [ ] GA Mobility
- [ ] GB Mobility
- [ ] SW Protect.
- [ ] Res. Vol.
- [ ] Ind. Vol.
- [ ] Res. Criteria
- [ ] Other

MA
- [ ] MCP Cert.
- [ ] GW-1
- [ ] GW-2
- [ ] GW-3
- [ ] S-1
- [ ] S-2
- [ ] S-3
- [ ] MWRA eSMART
- [ ] Other

State where samples were collected: Bldg.

Data Format
- [ ] Excel
- [ ] PDF
- [ ] GIS/Key
- [ ] EQuIS
- [ ] Other _____

Data Package
- [ ] ASP-A
- [ ] NJ Reduced Deliv. *
- [ ] NJ Hazsite EDD
- [ ] Phoenix Std Report
- [ ] Other

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: service@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 6° Pg 3 of 4

Data Delivery:
☑ Fax #: _____
☐ Email: _____

Customer: AECOM - Malcom Beeler
Address: 500 Enterprise Dr. suite 1A, Rocky Hill, CT

Project: Former Int'l Silver Co.
Report to: Malcom Beeler - AECOM
Invoice to: AECOM

Project P.O: _____
Phone #: _____
Fax #: _____

Client Sample - Information - Identification

Sampler's Signature: Lloyd Date 3-15-11

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=other
GW=groundwater SL=sludge A=air

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	PCBs 8082/3540	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H20	GL Soil container (2-0) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 1250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 1250ml [ ] 500ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
10719	031511-24	S	3-15-11		X				X						
10720	031511-25				X				X						
10721	031511-26				X				X						
10722	031511-27				X				X						
10723	031511-28				X				X						
10724	031511-29				X				X						
10914	031411-04 *														

Relinquished by:	Accepted by:	Date:	Time:
Lloyd		3-15-11	14:30
	BLee	3-15-11	1610

Comments, Special Requirements or Regulations:
PCBs via Soxhlet Method
Detection limit < 1ppm
* rec'd extra sample not listed on C.O.C. emailed Client, okay to run

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

CT/RI
☐ RCP Cert.
☐ GW Protect.
☐ GA Mobility
☐ GB Mobility
☐ SW Protect.
☐ Res. Vol.
☐ Ind. Vol.
☐ Res. Criteria
☐ Other

MA
☐ MCP Cert.
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: Bldg.

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other _____

Data Package
☐ ASP-A
☐ NJ Reduced Deliv. *
☐ NJ Hazsite EDD
☐ Phoenix Std Report
☐ Other

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: service@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 6° Pg 4 of 4

Data Delivery:
Fax #:
Email:

Customer: AECOM - Malcom Beeler
Address: 50 Enterprise Dr. Rocky Hill, CT

Project: Former Int'l Silver Co. Meriden, CT
Report to: Malcom Beeler
Invoice to: AECOM

Project P.O:
Phone #:
Fax #:

Client Sample Information - Identification

Sampler's Signature: Lloyd S
Date 3-15-11

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=other
GW=groundwater SL=sludge A=air

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	PCBs 8082/3540	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H20	GL Soil container (4oz)	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
10725	031511-S1	S	3-15-11		X		X								
10726	031511-S2				X		X								
10727	031511-S3				X		X								
10728	031511-S4				X		X								
10729	031511-S5				X		X								
10730	031511-S6				X		X								
10731	031511-S7				X		X								
10732	031511-S8				X		X								
10733	031511-S9				X		X								

Relinquished by:	Accepted by:	Date:	Time:
Lloyd S	John Bell	3-15-11	14:30
John Bell	S Bell	3/15/11	1610

Comments, Special Requirements or Regulations:
Detection <1ppm
PCBs via Soxhlet Method

Turnaround:
- [ ] 1 Day*
- [ ] 2 Days*
- [ ] 3 Days*
- [x] Standard
- [ ] Other

* SURCHARGE APPLIES

CT/RI
- [ ] RCP Cert.
- [ ] GW Protect.
- [ ] GA Mobility
- [ ] GB Mobility
- [ ] SW Protect.
- [ ] Res. Vol.
- [ ] Ind. Vol.
- [ ] Res. Criteria
- [ ] Other

MA
- [ ] MCP Cert.
- [ ] GW-1
- [ ] GW-2
- [ ] GW-3
- [ ] S-1
- [ ] S-2
- [ ] S-3
- [ ] MWRA eSMART
- [ ] Other

State where samples were collected: Soil Along Bldg.

Data Format
- [ ] Excel
- [ ] PDF
- [ ] GIS/Key
- [ ] EQuIS
- [ ] Other

Data Package
- [ ] ASP-A
- [ ] NJ Reduced Deliv. *
- [ ] NJ Hazsite EDD
- [ ] Phoenix Std Report
- [ ] Other

Shannon - Phoenixlabs

From: "Bobbi - Phoenixlabs" <bobbi@phoenixlabs.com>
To: "'Shannon - Phoenixlabs'" <shannon@phoenixlabs.com>
Sent: Tuesday, March 15, 2011 04:57 PM
Subject: FW: Former Int'l...sample question

From: Beeler, Malcolm [mailto:Malcolm.Beeler@aecom.com]
Sent: Tuesday, March 15, 2011 4:56 PM
To: bobbi@phoenixlabs.com
Subject: Re: Former Int'l...sample question

Is OK

From: Bobbi - Phoenixlabs [mailto:bobbi@phoenixlabs.com]
Sent: Tuesday, March 15, 2011 01:50 PM
To: Beeler, Malcolm
Cc: 'Bobbi - Phoenixlabs' <bobbi@phoenixlabs.com>
Subject: Former Int'l...sample question

Hi Malcolm
We received a sample that was not listed on the chain of custody. It is your sample ID 031411-04. We added it to the last chain page 4. Let me know if this is okay.

Thanks!
Bobbi

Bobbi Aloisa
Vice President
Director of Client Services
Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester, CT 06040
www.phoenixlabs.com
Ph: 1-888-642-4321
Fx: 1-860-645-0823

PHOENIX
Environmental Laboratories, Inc.

Monday, March 21, 2011

Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Project ID: FORMER INTL SIVER CO., MERIDEN
Sample ID#s: BA11325 - BA11346

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 21, 2011

FOR: Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/16/11	0:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA11325
Phoenix ID: BA11325

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-S10

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	70		%	03/16/11		JL	E160.3
Extraction for PCB	Completed			03/16/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	24000	ug/Kg	03/18/11		MH	3540C/8082
PCB-1221	ND	24000	ug/Kg	03/18/11		MH	3540C/8082
PCB-1232	ND	24000	ug/Kg	03/18/11		MH	3540C/8082
PCB-1242	ND	24000	ug/Kg	03/18/11		MH	3540C/8082
PCB-1248	ND	24000	ug/Kg	03/18/11		MH	3540C/8082
PCB-1254	120000	24000	ug/Kg	03/18/11		MH	3540C/8082
PCB-1260	ND	24000	ug/Kg	03/18/11		MH	3540C/8082
PCB-1262	ND	24000	ug/Kg	03/18/11		MH	3540C/8082
PCB-1268	ND	24000	ug/Kg	03/18/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	03/18/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/18/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 21, 2011

FOR: Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/16/11	0:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA11325
Phoenix ID: BA11326

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-S11

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	48		%	03/16/11		JL	E160.3
Extraction for PCB	Completed			03/16/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	6800	ug/Kg	03/17/11		MH	3540C/8082
PCB-1221	ND	6800	ug/Kg	03/17/11		MH	3540C/8082
PCB-1232	ND	6800	ug/Kg	03/17/11		MH	3540C/8082
PCB-1242	ND	6800	ug/Kg	03/17/11		MH	3540C/8082
PCB-1248	ND	6800	ug/Kg	03/17/11		MH	3540C/8082
PCB-1254	67000	6800	ug/Kg	03/17/11		MH	3540C/8082
PCB-1260	ND	6800	ug/Kg	03/17/11		MH	3540C/8082
PCB-1262	ND	6800	ug/Kg	03/17/11		MH	3540C/8082
PCB-1268	ND	6800	ug/Kg	03/17/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	03/17/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/17/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 21, 2011

FOR: Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/16/11	0:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA11325
Phoenix ID: BA11327

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-S12

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	68		%	03/16/11		JL	E160.3
Extraction for PCB	Completed			03/16/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	4900	ug/Kg	03/17/11		MH	3540C/8082
PCB-1221	ND	4900	ug/Kg	03/17/11		MH	3540C/8082
PCB-1232	ND	4900	ug/Kg	03/17/11		MH	3540C/8082
PCB-1242	ND	4900	ug/Kg	03/17/11		MH	3540C/8082
PCB-1248	ND	4900	ug/Kg	03/17/11		MH	3540C/8082
PCB-1254	38000	4900	ug/Kg	03/17/11		MH	3540C/8082
PCB-1260	ND	4900	ug/Kg	03/17/11		MH	3540C/8082
PCB-1262	ND	4900	ug/Kg	03/17/11		MH	3540C/8082
PCB-1268	ND	4900	ug/Kg	03/17/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	03/17/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/17/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 21, 2011

FOR: Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/16/11	0:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA11325
Phoenix ID: BA11328

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-S12D

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	82		%	03/16/11		JL	E160.3
Extraction for PCB	Completed			03/16/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	4000	ug/Kg	03/17/11		MH	3540C/8082
PCB-1221	ND	4000	ug/Kg	03/17/11		MH	3540C/8082
PCB-1232	ND	4000	ug/Kg	03/17/11		MH	3540C/8082
PCB-1242	ND	4000	ug/Kg	03/17/11		MH	3540C/8082
PCB-1248	ND	4000	ug/Kg	03/17/11		MH	3540C/8082
PCB-1254	28000	4000	ug/Kg	03/17/11		MH	3540C/8082
PCB-1260	ND	4000	ug/Kg	03/17/11		MH	3540C/8082
PCB-1262	ND	4000	ug/Kg	03/17/11		MH	3540C/8082
PCB-1268	ND	4000	ug/Kg	03/17/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	03/17/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/17/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 21, 2011

FOR: Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/16/11	0:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA11325
Phoenix ID: BA11329

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031511-S13

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	80		%	03/16/11		JL	E160.3
Extraction for PCB	Completed			03/16/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	42000	ug/Kg	03/18/11		MH	3540C/8082
PCB-1221	ND	42000	ug/Kg	03/18/11		MH	3540C/8082
PCB-1232	ND	42000	ug/Kg	03/18/11		MH	3540C/8082
PCB-1242	ND	42000	ug/Kg	03/18/11		MH	3540C/8082
PCB-1248	ND	42000	ug/Kg	03/18/11		MH	3540C/8082
PCB-1254	140000	42000	ug/Kg	03/18/11		MH	3540C/8082
PCB-1260	ND	42000	ug/Kg	03/18/11		MH	3540C/8082
PCB-1262	ND	42000	ug/Kg	03/18/11		MH	3540C/8082
PCB-1268	ND	42000	ug/Kg	03/18/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	03/18/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/18/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 21, 2011

FOR: Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		03/15/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/16/11	0:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA11325
Phoenix ID: BA11330

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: POST RINSE UTENCILS

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Extraction	Completed			03/17/11		R/R	SW3500B/3510C
Polychlorinated Biphenyls							
PCB-1016	ND	0.71	ug/L	03/18/11		MH	608/ 8082
PCB-1221	ND	0.71	ug/L	03/18/11		MH	608/ 8082
PCB-1232	ND	0.71	ug/L	03/18/11		MH	608/ 8082
PCB-1242	ND	0.71	ug/L	03/18/11		MH	608/ 8082
PCB-1248	ND	0.71	ug/L	03/18/11		MH	608/ 8082
PCB-1254	ND	0.71	ug/L	03/18/11		MH	608/ 8082
PCB-1260	ND	0.71	ug/L	03/18/11		MH	608/ 8082
PCB-1262	ND	0.71	ug/L	03/18/11		MH	608/ 8082
PCB-1268	ND	0.71	ug/L	03/18/11		MH	608/ 8082
QA/QC Surrogates							
% DCBP	98		%	03/18/11		MH	608/ 8082
% TCMX	77		%	03/18/11		MH	608/ 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 21, 2011

FOR: Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/16/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/16/11	0:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA11325
Phoenix ID: BA11331

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031611-30

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/16/11		DL	E160.3
Extraction for PCB	Completed			03/16/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	03/17/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	112		%	03/17/11		MH	3540C/8082
% TCMX	96		%	03/17/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 21, 2011

FOR: Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/16/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/16/11	0:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA11325
Phoenix ID: BA11332

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031611-31

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/16/11		DL	E160.3
Extraction for PCB	Completed			03/16/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	03/17/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	114		%	03/17/11		MH	3540C/8082
% TCMX	97		%	03/17/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 21, 2011

FOR: Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/16/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/16/11	0:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA11325
Phoenix ID: BA11333

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031611-32

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/16/11		DL	E160.3
Extraction for PCB	Completed			03/16/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	520	ug/Kg	03/17/11		MH	3540C/8082
PCB-1221	ND	520	ug/Kg	03/17/11		MH	3540C/8082
PCB-1232	ND	520	ug/Kg	03/17/11		MH	3540C/8082
PCB-1242	ND	520	ug/Kg	03/17/11		MH	3540C/8082
PCB-1248	ND	520	ug/Kg	03/17/11		MH	3540C/8082
PCB-1254	ND	520	ug/Kg	03/17/11		MH	3540C/8082
PCB-1260	ND	520	ug/Kg	03/17/11		MH	3540C/8082
PCB-1262	ND	520	ug/Kg	03/17/11		MH	3540C/8082
PCB-1268	ND	520	ug/Kg	03/17/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	107		%	03/17/11		MH	3540C/8082
% TCMX	85		%	03/17/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 21, 2011

FOR: Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/16/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/16/11	0:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA11325
Phoenix ID: BA11334

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031611-33

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/16/11		DL	E160.3
Extraction for PCB	Completed			03/16/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1221	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1232	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1242	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1248	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1254	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1260	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1262	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1268	ND	480	ug/Kg	03/17/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	111		%	03/17/11		MH	3540C/8082
% TCMX	89		%	03/17/11		MH	3540C/8082

Comments:

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ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

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Analysis Report

March 21, 2011

FOR: Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/16/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/16/11	0:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA11325
Phoenix ID: BA11335

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031611-34

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/16/11		DL	E160.3
Extraction for PCB	Completed			03/16/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	340	ug/Kg	03/17/11		MH	3540C/8082
PCB-1221	ND	340	ug/Kg	03/17/11		MH	3540C/8082
PCB-1232	ND	340	ug/Kg	03/17/11		MH	3540C/8082
PCB-1242	ND	340	ug/Kg	03/17/11		MH	3540C/8082
PCB-1248	ND	340	ug/Kg	03/17/11		MH	3540C/8082
PCB-1254	ND	340	ug/Kg	03/17/11		MH	3540C/8082
PCB-1260	ND	340	ug/Kg	03/17/11		MH	3540C/8082
PCB-1262	ND	340	ug/Kg	03/17/11		MH	3540C/8082
PCB-1268	ND	340	ug/Kg	03/17/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	114		%	03/17/11		MH	3540C/8082
% TCMX	99		%	03/17/11		MH	3540C/8082

Comments:

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ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

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Analysis Report

March 21, 2011

FOR: Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/16/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/16/11	0:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA11325
Phoenix ID: BA11336

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031611-35

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/16/11		DL	E160.3
Extraction for PCB	Completed			03/16/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	360	ug/Kg	03/17/11		MH	3540C/8082
PCB-1221	ND	360	ug/Kg	03/17/11		MH	3540C/8082
PCB-1232	ND	360	ug/Kg	03/17/11		MH	3540C/8082
PCB-1242	ND	360	ug/Kg	03/17/11		MH	3540C/8082
PCB-1248	ND	360	ug/Kg	03/17/11		MH	3540C/8082
PCB-1254	ND	360	ug/Kg	03/17/11		MH	3540C/8082
PCB-1260	ND	360	ug/Kg	03/17/11		MH	3540C/8082
PCB-1262	ND	360	ug/Kg	03/17/11		MH	3540C/8082
PCB-1268	ND	360	ug/Kg	03/17/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	116		%	03/17/11		MH	3540C/8082
% TCMX	94		%	03/17/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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Analysis Report

March 21, 2011

FOR: Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/16/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/16/11	0:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA11325
Phoenix ID: BA11337

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031611-36

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/16/11		DL	E160.3
Extraction for PCB	Completed			03/16/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	320	ug/Kg	03/17/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	03/17/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	03/17/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	03/17/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	03/17/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	03/17/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	03/17/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	03/17/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	03/17/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	112		%	03/17/11		MH	3540C/8082
% TCMX	100		%	03/17/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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Analysis Report

March 21, 2011

FOR: Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/16/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/16/11	0:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA11325
Phoenix ID: BA11338

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031611-37

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/16/11		DL	E160.3
Extraction for PCB	Completed			03/16/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	03/17/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	03/17/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	111		%	03/17/11		MH	3540C/8082
% TCMX	94		%	03/17/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 21, 2011

FOR: Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/16/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/16/11	0:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA11325
Phoenix ID: BA11339

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031611-38

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/16/11		DL	E160.3
Extraction for PCB	Completed			03/16/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	410	ug/Kg	03/17/11		MH	3540C/8082
PCB-1221	ND	410	ug/Kg	03/17/11		MH	3540C/8082
PCB-1232	ND	410	ug/Kg	03/17/11		MH	3540C/8082
PCB-1242	ND	410	ug/Kg	03/17/11		MH	3540C/8082
PCB-1248	ND	410	ug/Kg	03/17/11		MH	3540C/8082
PCB-1254	ND	410	ug/Kg	03/17/11		MH	3540C/8082
PCB-1260	ND	410	ug/Kg	03/17/11		MH	3540C/8082
PCB-1262	ND	410	ug/Kg	03/17/11		MH	3540C/8082
PCB-1268	ND	410	ug/Kg	03/17/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	115		%	03/17/11		MH	3540C/8082
% TCMX	98		%	03/17/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 21, 2011

FOR: Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/16/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/16/11	0:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA11325
Phoenix ID: BA11340

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031611-39

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/16/11		DL	E160.3
Extraction for PCB	Completed			03/16/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	560	ug/Kg	03/17/11		MH	3540C/8082
PCB-1221	ND	560	ug/Kg	03/17/11		MH	3540C/8082
PCB-1232	ND	560	ug/Kg	03/17/11		MH	3540C/8082
PCB-1242	ND	560	ug/Kg	03/17/11		MH	3540C/8082
PCB-1248	ND	560	ug/Kg	03/17/11		MH	3540C/8082
PCB-1254	ND	560	ug/Kg	03/17/11		MH	3540C/8082
PCB-1260	ND	560	ug/Kg	03/17/11		MH	3540C/8082
PCB-1262	ND	560	ug/Kg	03/17/11		MH	3540C/8082
PCB-1268	ND	560	ug/Kg	03/17/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	110		%	03/17/11		MH	3540C/8082
% TCMX	94		%	03/17/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 21, 2011

FOR: Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/16/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/16/11	0:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA11325
Phoenix ID: BA11341

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031611-39D

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/16/11		DL	E160.3
Extraction for PCB	Completed			03/16/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	410	ug/Kg	03/17/11		MH	3540C/8082
PCB-1221	ND	410	ug/Kg	03/17/11		MH	3540C/8082
PCB-1232	ND	410	ug/Kg	03/17/11		MH	3540C/8082
PCB-1242	ND	410	ug/Kg	03/17/11		MH	3540C/8082
PCB-1248	ND	410	ug/Kg	03/17/11		MH	3540C/8082
PCB-1254	440	410	ug/Kg	03/17/11		MH	3540C/8082
PCB-1260	ND	410	ug/Kg	03/17/11		MH	3540C/8082
PCB-1262	ND	410	ug/Kg	03/17/11		MH	3540C/8082
PCB-1268	ND	410	ug/Kg	03/17/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	104		%	03/17/11		MH	3540C/8082
% TCMX	104		%	03/17/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

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Analysis Report

March 21, 2011

FOR: Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/16/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/16/11	0:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA11325
Phoenix ID: BA11342

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031611-40

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/17/11		JL	E160.3
Extraction for PCB	Completed			03/16/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	500	ug/Kg	03/17/11		MH	3540C/8082
PCB-1221	ND	500	ug/Kg	03/17/11		MH	3540C/8082
PCB-1232	ND	500	ug/Kg	03/17/11		MH	3540C/8082
PCB-1242	ND	500	ug/Kg	03/17/11		MH	3540C/8082
PCB-1248	ND	500	ug/Kg	03/17/11		MH	3540C/8082
PCB-1254	ND	500	ug/Kg	03/17/11		MH	3540C/8082
PCB-1260	ND	500	ug/Kg	03/17/11		MH	3540C/8082
PCB-1262	ND	500	ug/Kg	03/17/11		MH	3540C/8082
PCB-1268	ND	500	ug/Kg	03/17/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	100		%	03/17/11		MH	3540C/8082
% TCMX	97		%	03/17/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

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Analysis Report

March 21, 2011

FOR: Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/16/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/16/11	0:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA11325
Phoenix ID: BA11343

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031611-41

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/17/11		JL	E160.3
Extraction for PCB	Completed			03/16/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	380	ug/Kg	03/17/11		MH	3540C/8082
PCB-1221	ND	380	ug/Kg	03/17/11		MH	3540C/8082
PCB-1232	ND	380	ug/Kg	03/17/11		MH	3540C/8082
PCB-1242	ND	380	ug/Kg	03/17/11		MH	3540C/8082
PCB-1248	ND	380	ug/Kg	03/17/11		MH	3540C/8082
PCB-1254	ND	380	ug/Kg	03/17/11		MH	3540C/8082
PCB-1260	ND	380	ug/Kg	03/17/11		MH	3540C/8082
PCB-1262	ND	380	ug/Kg	03/17/11		MH	3540C/8082
PCB-1268	ND	380	ug/Kg	03/17/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	104		%	03/17/11		MH	3540C/8082
% TCMX	95		%	03/17/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 21, 2011

FOR: Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/16/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/16/11	0:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA11325
Phoenix ID: BA11344

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031611-42

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/17/11		JL	E160.3
Extraction for PCB	Completed			03/16/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1221	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1232	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1242	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1248	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1254	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1260	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1262	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1268	ND	480	ug/Kg	03/17/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	114		%	03/17/11		MH	3540C/8082
% TCMX	99		%	03/17/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 21, 2011

FOR: Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/16/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/16/11	0:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA11325
Phoenix ID: BA11345

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031611-43

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/17/11		JL	E160.3
Extraction for PCB	Completed			03/16/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	500	ug/Kg	03/17/11		MH	3540C/8082
PCB-1221	ND	500	ug/Kg	03/17/11		MH	3540C/8082
PCB-1232	ND	500	ug/Kg	03/17/11		MH	3540C/8082
PCB-1242	ND	500	ug/Kg	03/17/11		MH	3540C/8082
PCB-1248	ND	500	ug/Kg	03/17/11		MH	3540C/8082
PCB-1254	ND	500	ug/Kg	03/17/11		MH	3540C/8082
PCB-1260	ND	500	ug/Kg	03/17/11		MH	3540C/8082
PCB-1262	ND	500	ug/Kg	03/17/11		MH	3540C/8082
PCB-1268	ND	500	ug/Kg	03/17/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	110		%	03/17/11		MH	3540C/8082
% TCMX	98		%	03/17/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 21, 2011

FOR: Attn: Mr Malcom Beeler
AECOM
500 Enterprise Dr Suite 1A
Rocky Hill CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/16/11	0:00
Location Code:	AECOM-CT	Received by:	SW	03/16/11	0:00
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA11325
Phoenix ID: BA11346

Project ID: FORMER INTL SIVER CO., MERIDEN

Client ID: 031611-44

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/17/11		JL	E160.3
Extraction for PCB	Completed			03/16/11		BQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1221	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1232	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1242	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1248	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1254	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1260	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1262	ND	480	ug/Kg	03/17/11		MH	3540C/8082
PCB-1268	ND	480	ug/Kg	03/17/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	111		%	03/17/11		MH	3540C/8082
% TCMX	96		%	03/17/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
March 23, 2011

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 23, 2011

QA/QC Data

SDG I.D.: GBA11325

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 172439, QC Sample No: BA10726 (BA11326, BA11327, BA11328, BA11329, BA11331, BA11332, BA11333, BA11334, BA11335, BA11336)							
Polychlorinated Biphenyls							
PCB-1016	ND	102	100	2.0	95	101	6.1
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	105	103	1.9	71	76	6.8
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	103	89	86	3.4	Interference	Interference	NC
% TCMX (Surrogate Rec)	96	84	84	0.0	68	68	0.0
QA/QC Batch 172509, QC Sample No: BA10999 (BA11330)							
Polychlorinated Biphenyls							
PCB-1016	ND	87	91	4.5			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	69	72	4.3			
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	90	85	88	3.5			
% TCMX (Surrogate Rec)	84	85	91	6.8			

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 172535, QC Sample No: BA11325 (BA11325, BA11337, BA11338, BA11339, BA11340, BA11341, BA11342, BA11343, BA11344, BA11345, BA11346)							
Polychlorinated Biphenyls							
PCB-1016	ND	119	103	14.4			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	104	96	8.0			
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	128	106	99	6.8			

QA/QC Data

SDG I.D.: GBA11325

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
% TCMX (Surrogate Rec)	94	90	85	5.7			

Comment:

* The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
March 23, 2011

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** AECOM-CT

Project Location: FORMER INTL SIVER CO., MERI **Project Number:**

Laboratory Sample ID(s): BA11325, BA11326, BA11327, BA11328, BA11329, BA11330, BA11331, BA11332, BA11333, BA11334, BA11335, BA11336, BA11337, BA11338, BA11339, BA11340, BA11341, BA11342, BA11343, BA11344, BA11345, BA11346

Sampling Date(s): 3/15/2011, 3/16/2011

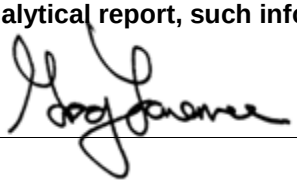
RCP Methods Used:

☐ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH	

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: 

Date: Wednesday, March 23, 2011

Printed Name: Greg Lawrence

Position: Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

March 23, 2011

SDG I.D.: GBA11325

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd4 03/18/11-1 (BA11325, BA11329)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 3/18/2011

Instrument: Au-ecd6 03/17/11-1 (BA11326, BA11327, BA11328, BA11331, BA11332, BA11333, BA11334, BA11335, BA11336)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 3/17/2011

Instrument: Au-ecd7 03/17/11-1 (BA11337, BA11338, BA11339, BA11340, BA11341, BA11342, BA11343, BA11344, BA11345, BA11346)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 3/17/2011

Instrument: Au-ecd7 03/18/11-1 (BA11330)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

March 23, 2011

SDG I.D.: GBA11325

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 3/18/2011

QC Comments: QC Batch 72509 03/16/11 (BA11330)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC Comments: QC Batch 72535 03/16/11 (BA11325, BA11337, BA11338, BA11339, BA11340, BA11341, BA11342, BA11343, BA11344, BA11345, BA11346)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QC (Site Specific)

---------- Sample No: BA11325 ----------

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: service@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 6° Pg 1 of 2

Data Delivery:
☐ Fax #: _____
☒ Email: _____

Customer: AECOM
Address: 50 Enterprise Drive, Suite 1A, Rocky Hill, CT
Project: Former Int'l Silver Co. 77 Cooper St Meriden, CT
Report to: Malcom Beeler
Invoice to: AECOM
Project P.O: _____
Phone #: _____
Fax #: _____

Client Sample - Information - Identification

Sampler's Signature: [signature] LJ - Hygenix Date 3-16-11

Matrix Code:
DW=drinking water **WW**=wastewater **S**=soil/solid **O**=other
GW=groundwater **SL**=sludge **A**=air

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	PCBs 8082/3540	1L Amber GL	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H20	GL Soil container (4.0) oz	GL Soil container (2.0) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
11325	031511-S10	S	3-15-11		X			X								
11326	031511-S11	S	↓		X			X								
11327	031511-S12	S			X			X								
11328	031511-S12D	S			X			X								
11329	031511-S13	S			X			X								
11330	Post Rinse Utensils	O	↓		X		X		X							
11331	031511-30	S	3-16-11		X				X							
11332	031611-31	S	↓		X				X							
11333	031611-32	S			X				X							
11334	031611-33	S			X				X							
11335	031611-34	S			X				X							
11336	031611-35	S	↓		X				X							

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	3-16-11	3:30
[signature]	[signature]	3-16-11	1632

Comments, Special Requirements or Regulations:

PCBs via Soxhlet Method

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other

* **SURCHARGE APPLIES**

CT/RI
☐ RCP Cert.
☐ GW Protect.
☐ GA Mobility
☐ GB Mobility
☐ SW Protect.
☐ Res. Vol.
☐ Ind. Vol.
☐ Res. Criteria
☐ Other

MA
☐ MCP Cert.
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other _____

Data Package
☐ ASP-A
☐ NJ Reduced Deliv. *
☐ NJ Hazsite EDD
☐ Phoenix Std Report
☐ Other

State where samples were collected: Exterior Bldg/Soil Interior Bldg. Meriden, CT

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: service@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 6° Pg 2 of 2

Data Delivery:
☐ Fax #: ____
☒ Email: ____

Customer: AECOM
Address: 50 Enterprise Drive, Suite 1A, Rocky Hill, CT

Project: Former Silver Co. 77 Cooper St. Meriden
Report to: Malcom Beeler - AECOM
Invoice to: AECOM
Project P.O: ____
Phone #: ____
Fax #: ____

Client Sample - Information - Identification
LJ - Hygenix

Sampler's Signature [signature] Date 3-16-11

Matrix Code:
DW=drinking water **WW**=wastewater **S**=soil/solid **O**=other
GW=groundwater **SL**=sludge **A**=air

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	PCBs 8082/3540												Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H20	GL Soil container (2.0) oz	GL Soil container (4.0) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle	
11337	031611-36	S	3-16-11		X													X									
11338	031611-37	S	↓		X													X									
11339	031611-38	S	↓		X													X									
11340	031611-39	S	↓		X													X									
11341	031611-39D	S	↓		X													X									
11342	031611-40	Wood	↓		X													X									
11343	031611-41	↓	↓		X														X								
11344	031611-42	↓	↓		X														X								
11345	031611-43	↓	↓		X														X								
11346	031611-44	↓	↓		X														X								

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	3-16-11	3:30
[signature]	[signature]	3-16-11	1632

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other

* SURCHARGE APPLIES

CT/RI
☐ RCP Cert.
☐ GW Protect.
☐ GA Mobility
☐ GB Mobility
☐ SW Protect.
☐ Res. Vol.
☐ Ind. Vol.
☐ Res. Criteria
☐ Other

MA
☐ MCP Cert.
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other ____

Data Package
☐ ASP-A
☐ NJ Reduced Deliv. *
☐ NJ Hazsite EDD
☐ Phoenix Std Report
☐ Other

State where samples were collected: CT
Bldg. Material

Appendix B

EPA SOP for Porous Material Sampling

REGION I, EPA-NEW ENGLAND

DRAFT
STANDARD OPERATING PROCEDURE
FOR SAMPLING CONCRETE IN THE FIELD

U.S. EPA-NEW ENGLAND
Region I
Quality Assurance Unit Staff
Office of Environmental Measurement and Evaluation

Prepared by:	**Alan W Peterson** **Quality Assurance Chemist**	**Date:** 12/30/97
Reviewed by:	**Andrew Beliveau** **Senior Technical Specialist**	**Date:** 12/30/97
Approved by:	**Nancy Barmakian** **Branch Chief**	**Date:** 12/30/97

Region I, EPA New England

Standard Operating Procedure for Sampling Concrete in the Field

Table of Contents

Region I, EPA New England

Standard Operating Procedure for Sampling Concrete in the Field

1.0 Scope and Application

The following Standard Operating Procedure (SOP) describes a concrete sampling technique which uses an impact hammer drill to generate a uniform, finely ground, powder which is easily homogenized, extracted and analyzed. This procedure is primarily geared at providing enough sample for one or two different analyses at a time. That is, the time required to generate sufficient sample for a full suite of analyses may be impractical. The concrete powder is suitable for all types of environmental analyses, with the exception of volatile compounds, and may be analyzed in the field or at a fixed laboratory. This procedure is applicable for the collection of samples from concrete floors, walls, and ceilings.

The impact hammer drill is far less labor intensive than previous techniques using coring devices, or hammers and chisels. It allows for easy selection of sample location and sample depth. Not only can the project planner control the depth to sample into the concrete, from surface samples (0 - ½ inch) down to a core of the entire slab, but the technique can also be modified to collect samples at discrete depths within the concrete slab.

Another issue with concrete sampling is the fact that the amount of time spent drilling translates into the weight of sample produced. Thus, to maximize sampling time, it is important to know the minimum amount of sample required for each analysis. To do this, the project planner should take the following steps: 1) Use the Data Quality Objective (DQO) process and familiarity with the site to develop the objectives of the sampling project and the depth(s) of sample to be collected. 2) Review the site history and any previous data collected to determined possible contaminants of concern. 3) Establish the action levels for those possible contaminants and determine the appropriate analytical methods (both field and/or fixed laboratory) to meet the DQOs of the project. 4) Based on the detection limits of these methods, determine the amount of sample required for each analysis and the total sample weight require for each sample location (including quality control samples).

As with any environmental data collection project, all aspects of a concrete sampling episode should be well thought out, prior to going out in the field, and thoroughly described in a Quality Assurance Project Plan (QAPP). The QAPP should clearly state the DQOs of the project and document a complete Quality Assurance/Quality Control program to reconcile the data generated with the established DQOs. For more information on these subjects, refer to EPA documents QA/R-5, EPA Requirements for Quality Assurance Project Plans for Environmental Data Operations, and QA/G-4, Guidance for the Data Quality Objective Process.

2.0 Method Summary

A one-inch diameter carbide drill bit is used in a rotary impact hammer drill to generate a fine concrete powder suitable for analysis. The powder is placed in a sample container and homogenized for field or fixed laboratory analysis. The procedure can be used to sample a single depth into the concrete, or may be modified to sample the concrete at distinctly different depth zones. The modified depth sampling procedure is designed to minimize any cross contamination between the sampling zones. If different sampling depths are required, two different diameter drill bits and a vacuum sampling apparatus are employed.

3.0 Health and Safety

Eye and hearing protection are required at all times during sample drilling. A small amount of dust is generated during the drilling process. Proper respiratory protection and/or a dust control system must be in place at all times during sampling.

4.0 Interferences and Potential Problems

Since this sampling technique produces a finely ground uniform powder, physical matrix effects from variations in the sample consistency (i.e., particle size, uniformity, homogeneity, and surface condition) are minimized. Matrix spike analysis of a sample is highly recommended to monitor for any matrix related interferences.

As stated in Section 1.0 above, this sampling procedure is not recommended for volatile organic compound (VOC) analysis. The combination of heat generated during drilling and the exposure of a large amount of surface area will greatly reduce VOC recovery. If low boiling point semi-volatile compounds (i.e., naphthalene) are being analyzed, then the drill speed should be reduced to minimize heat build-up.

5.0 Equipment and Supplies

5.1 Single Depth Concrete Sampling

5.1.1 Rotary impact hammer drill
5.1.2 1-inch diameter carbide drill bits
5.1.3 Stainless steel scoopulas
5.1.4 Stainless steel spoonulas (for collecting sample in deeper holes, >2-inches)
5.1.5 Rectangular aluminum pans (to catch concrete during wall and ceiling sampling)
5.1.6 Gasoline powered generator (if alternative power source is required)

5.2 Multiple Depth Sampling (in addition to all the above)

5.2.1 ½ inch diameter carbide drill bits
5.2.2 Vacuum/sample trap assembly (see Section 7.2 and Figure 1)

5.2.2.1 Vacuum pump
5.2.2.2 2-hole rubber stopper
5.2.2.3 Glass tubing (to fit stopper)
5.2.2.4 Large glass test tubes, or Erlenmeyer flasks, for sample trap (several are suggested)
5.2.2.5 Polyethylene tubing for trap inlet (Tygon tubing may be used for the trap outlet)
5.2.2.6 Pasture pipets
5.2.2.7 Pipe cleaners
5.2.2.8 In-line dust filter (glass fiber filter, or equivalent)

6.0 Sample Containers, Preservation, and Storage

Concrete samples must be collected in glass containers for organic analyses, and may be collected in either glass or plastic containers for inorganic analyses. In general, a 2-ounce sample container with Teflon-lined cap (wide-mouth jars are preferred) will hold sufficient volume for most analyses. A 2-

ounce jar can hold roughly 90 grams sample. Note, samples which require duplicate and/or matrix spike/matrix spike duplicate analyses may require a larger sample container, or additional 2-ounce sample containers.

Organic samples are to be shipped on ice and maintained at 4°C (± 2°C) until the time of extraction and analysis. Inorganic samples may be shipped and stored at room temperature. Refer to 40 CFR Part 136 for guidelines on analysis holding times.

To maintain sample integrity, chain-of-custody procedures must be implemented at the time of sampling to 1) document all sample locations and associated field sample identification numbers, 2) document all quality control samples taken, including field duplicates, split samples for confirmatory analyses, and PE samples, and 3) document the transfer of field samples from field sampler to field chemist or fixed laboratory.

7.0 Procedure

7.1 Single Depth Concrete Sampling

Lock a 1-inch diameter carbide drill bit into the impact hammer drill and plug the drill into an appropriate power source. (A gasoline generator will be needed if electricity is not available.) For easy identification, sample locations may be pre-marked using a crayon or a non-contaminating spray paint. (Note, the actual drilling point must not be marked.) Depending on the appearance of the sample location, or the objectives of the sampling project, it may be desired to wipe the concrete surface with a clean dry cloth prior to drilling. All sampling decisions of this nature should be noted in the sampling logbook. Begin drilling in the designated location. Apply steady even pressure and let the drill do the work. Applying too much pressure will generate excessive heat and dull the drill bit prematurely. The drill will provide a finely ground concrete powder that can be easily collected, homogenized and analyzed. Having several decontaminated impact drill bits on hand will help expedite sampling when numerous sample locations are to be drilled.

Sample Collection

A ½-inch deep hole (using a 1-inch diameter drill bit) generates about 10 grams of concrete powder. Based on this and the action levels for the project, determine the sampling depth, and/or the number of sample holes to be composited, to generate sufficient sample volume for all of the required analyses. (Note, with the absorbency of concrete, a ½-inch deep hole can be considered a surface sample.)

A decontaminated stainless steel scoopula can be used to collect the sample. The powder can either be collected directly from the surface of the concrete and/or the concrete powder can be scraped back into the hole and the less rounded back edge of the scoopula can be used to collect the sample. For holes greater than 2-inches in depth, a stainless steel spoonula will make it easier to collect the sample from the bottom of the hole.

To ensure collection of a representative sample when multiple analyses are required, a concrete sample should always be collected and homogenized in a single container and then divided up into the individual containers for the various analyses or split samples. This is particularly important when sample holes are deep, or when several holes are drilled adjacent to each other to form a sample composite.

Wall and Ceiling Sampling

A team of two samplers will be required for wall and ceiling sampling. The second person will be needed to hold a clean catch surface (i.e., an aluminum pan) below the drill to collect the falling powder. For wall samples, a scoopula, or spoonula, can be used to collect remaining concrete powder from within the hole. For ceiling holes, it may be necessary to drill the hole at an angle so the concrete powder can fall freely in the collection plan (and avoid falling on the drill). Another alternative might be to use the chuck-end of the drill bit and punch a hole through the center of the collection pan. The drill bit is then mounted through the pan and into the drill. Thus, the driller can be drilling straight up while the assistant steadies the pan to catch the falling dust. As a precaution, it may be advantageous to tape a piece of plastic around the drill, just below the chuck, to avoid dust contaminating the body of the drill and entering the mechanical vents. (Note, the plastic should deflect dust from the drill, but be loose enough underneath to allow for proper ventilation.)

7.2 Multiple Depth Concrete Sampling

The above method for concrete sampling can also be used to collect samples from different depths within the concrete. To do this, two different sized drill bits (i.e., ½ inch and 1 inch) and a simple vacuum pump with a vacuum trap assembly is required (see Figure 1). First, the 1 inch drill bit is used to drill to the first level and the concrete sample is collected as described in Section 7.1. The vacuum pump is then turned on and the hole is cleaned out using the vacuum trap assembly. The drill bit is then changed to the ½ inch bit and the next depth is drilled out (the ½ inch bit is used to avoid contact with the sides of the first hole). A clean tube or flask is placed on the vacuum trap, and the sample from the second drilling is collected. To go further, the 1 inch drill is used to open up the hole to the second level, the hole is cleared, and then the ½ inch drill is used again to go to a third level, etc. Note, the holes and concrete surface should be vacuumed thoroughly to minimize any cross-contamination between sample depths.

Vacuum Trap Design and Clean-out

The trap presented in Figure 1 is a convenient and thorough way for collecting and removing concrete powder from drilled holes. The trap system is designed to allow for control of the suction from the vacuum pump and easy trap clean-out between samples. Note, by placing a hole in the inlet tube (see Figure 1), a finger on the hand holding the trap can be used to control the suction at the sampling tip. Thus, when this hole is left completely open, there will be no suction, and the sampler can have complete control over where and what to sample. To change-out between samples the following steps should be taken: 1) The pasture pipet and piece of polyethylene tubing at the sample inlet should be replaced with new materials, 2) the portion of the rubber stopper and glass tubing that was in the trap should be wiped down with a clean damp paper towel (wetted with deionized water) and then dried with a fresh paper towel, 3) a clean pipe cleaner should be drawn through the glass inlet tube to remove any concrete dust present, and 4) the glass tube or flask used to collect the sample should swapped out with a clean decontaminated sample trap. Having several clean tubes or flasks on hand will facilitate change-out between samples.

7.3 Decontamination Procedure

Necessary supplies for decontamination include: two small buckets, a scrub brush, potable water, deionized water, a squirt bottle for the deionized water, and paper towels. The first bucket contains a soap and potable water solution, and the second bucket contains just potable water. Place all used drill bits and

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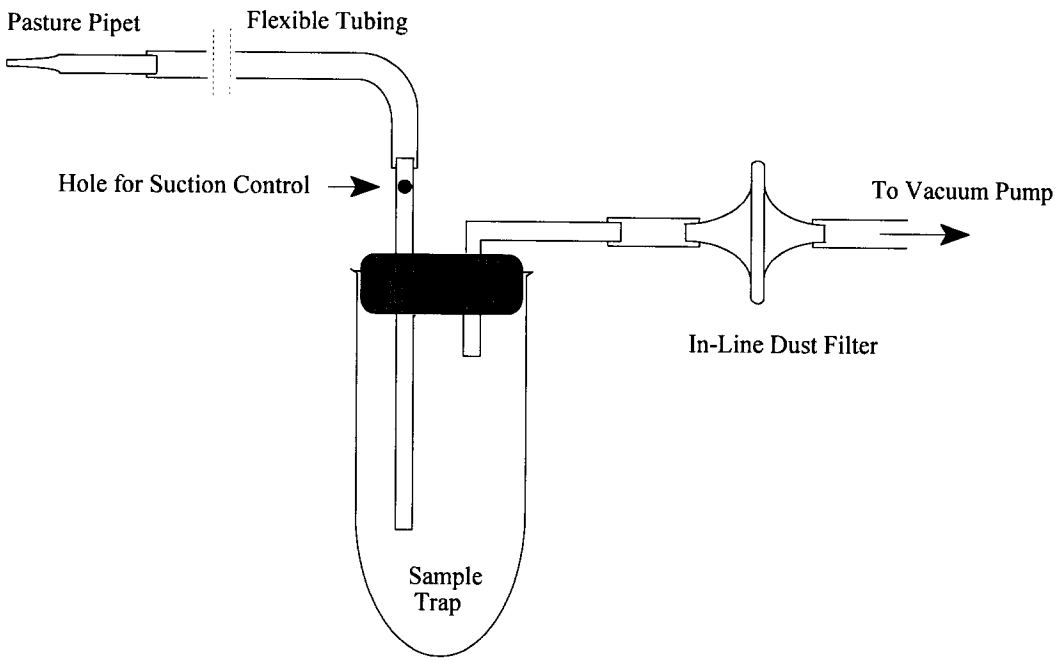
Figure 1



utensils in the soap and water bucket. Scrub each piece thoroughly using the scrub brush. Note, the concrete powder does cling to the metal surfaces, so care should be taken during this step, especially with the twists and curves of the drill bits. Next, rinse each piece in the potable water bucket, and follow with a deionized water rinse from the squirt bottle. Place the deionized water rinsed pieces on clean paper towels and individually dry and inspect each piece. Note, all pieces should be dry prior to reuse.

8.0 Field Documentation

All Site related documentation and reports generated from concrete sampling should be maintained in the central Site file. If personal logbooks are used, legible copies of all pertinent pages must be placed in the Site file.

8.1 Field Logbooks

All field documentation should be maintained in bound logbooks with numbered pages. If loose-leaf logsheets are used to document site activities, extra care should be taken in keep track of all logsheets. The original copy of all logsheets should be maintained in the central Site file. Note, all sample locations must be documented by tying in their location to a detailed site map, or by using two or more permanent landmarks. The following information should be documented in the field logbooks:

- Site name and location,
- EPA Site Manager,
- Name and affiliation of field samplers (EPA, Contractor company name, etc.),
- Sampling date,
- Sample locations and IDs,
- Sampling times and depths, and
- Other pertinent information or comments

8.2 Sample Labeling and Chain-of-Custody

8.2.1 Sample Labels

Sample labels will be affixed to all sample containers. Labels must contain the following information:

- Project name,
- Sample number, and/or location
- Date and time of sampling,
- Analysis,
- Preservation, and
- Sampler's name.

8.2.2 Chain-of-Custody

All samples must be traced from collection, to shipment, to laboratory receipt and laboratory custody. The Chain-of-Custody (COC) Record is a multi-part form that is initiated as samples are acquired and accompanies a sample (or group of samples) as they are transferred from person to person. The COC form is signed by all individuals responsible for sampling, sample transport, and laboratory receipt. (Note, overnight deliver services, often used with sample transport, are exempt from having to sign the COC form. However, copies of all shipping invoices must be kept with the COC documentation.) One copy of the COC is retained by the field sampling crew, while the original (top, signed copy) and remaining carbonless copies are placed in a zip-lock bag and taped to the inside lid of the shipping cooler. If multiple coolers are required for a sample shipment to a single laboratory, the COC need only be sent with one of the coolers. The COC should state how many coolers are included with the shipment. All sample shipments to different laboratories require individual COC forms. The original COC form accompanies the samples until the project is complete, and is then kept in the permanent project file. A copy of the COC is also kept with the project manager, the laboratory manager, and attached to the data package.

8.2.3 Custody Seal

The Custody seal is an adhesive-backed label which is also part of the chain-of-custody process. The custody seal is used to prevent tampering with the samples after they have been collected in the field and sealed in coolers for transit to the laboratory. The Custody seals are signed and dated by a sampler and affixed across the opening edges of each cooler containing samples. Clear packing tape should be wrapped around the cooler, and over the Custody seal, to secure the cooler and avoid accidental tampering with the Custody seal.

9.0 Quality Assurance and Quality Control (QA/QC)

A solid QA/QC program is essential to establishing the quality of the data generated so that proper project decisions can be made. The following are key quality control elements which should be incorporated into a concrete sampling and analytical program.

9.1 Equipment Blanks

An equipment blank should be performed on decontaminated drill bits and collection utensils at a frequency of 1 per 20 samples or 1 per day, whichever is greater. To prepare the equipment blank, place the decontaminated drill bit and utensils in a large clean stainless steel bowl. Pour sufficient deionized water into the bowl to fill all of the required sample containers. Next, stir the drill bit and utensils in the bowl with a clean utensil to thoroughly mix the blank. Finally, decant off the equipment blank into the sample containers. Note, a clean funnel may help to pour off the equipment blank into the containers.

9.2 Field Duplicates

Field duplicates are samples collected adjacent to each other (collocated) at the same sample location (not two aliquots of the same sample). Field duplicates not only help provide an indicator of overall precision, but measure the cumulative effects of both the field and analytical precision, and also measure the representativeness of the sample. Field duplicates must be prepared and analyzed at a frequency of 1 per 20 samples or 1 per non-related concrete matrix, whichever is greater. An example of a non-related concrete matrix might be the investigation of two different types of chemical spills.

Calculate the Relative Percent Difference (RPD) between the sample and its duplicate using Equation 1.

Equation 1

$$RPD = \frac{|S - D|}{\frac{(S + D)}{2}} \times 100$$

Where:

S = Original sample result
D = Duplicate sample result

The following general guidelines have been established for field duplicate criteria:

- If both the original and field duplicate values are ≥ practical quantitation limit (PQL), then the control limit for RPD is ≤50%,
- If one or both values are < PQL, then do not assess the RPD.

If more rigorous field duplicate criteria are needed to achieve project DQOs, then that criteria should be documented in the project QAPP.

If the field duplicate criteria specified above are not met, then flag that target element with an "*" on the final report for both the original and field duplicate samples. Report both the original and field duplicate

analyses; do not report the average. Field duplicate samples should be indicated on the sample ID. For example, the sample ID can contain the suffix "FD."

9.3 Laboratory Duplicates

Laboratory duplicates are two aliquots of the same sample that are prepared, homogenized and analyzed in the same manner. (Note, proper sample homogenization is critical in producing meaningful results.) The precision of the sample preparation and analytical methods is determined by performing a laboratory duplicate analysis. Laboratory duplicates can be prepared in the field and submitted as blind samples, or the laboratory can be requested to perform the laboratory duplicate analysis. In the case of laboratory prepared duplicates, the field sampling team must be sure to provide sufficient sample volume. Laboratory duplicates must be prepared and analyzed at a frequency of 1 per 20 samples or 1 per non-related concrete matrix, whichever is greater.

Calculate the RPD between the sample and its duplicate using Equation 1. The following general guidelines have been established for laboratory duplicate criteria:

- If both the original and laboratory duplicate values are ≥ PQL, then the control limit for RPD is ≤25%,
- If one or both values are < PQL, then do not assess the RPD.

If duplicate criteria are not met, then flag that target element with an "*" on the final report for both the original and duplicate samples. Report both the original and duplicate analyses; do not report the average.

9.4 Matrix Spike/Matrix Spike Duplicate Samples

Matrix spike/matrix spike duplicate samples (MS/MSDs) are two additional aliquots of a sample which are spiked with the appropriate compound(s) or analyte(s) of concern and then prepared and analyzed along with the original sample. (Note, proper sample homogenization, prior to spiking, is critical in producing meaningful results.) MS/MSDs help evaluate the effects of sample matrix on the analytical methods being used. The field sampling team must provide sufficient sample volume such that the field or fixed laboratory can prepare and analyze MS/MSDs at a frequency of 1 per 20 samples or 1 per non-related concrete matrix, whichever is greater.

Calculate the recovery of each matrix spike compound or analyte using Equation 2.

Equation 2

$$MSR = \frac{SSR - SR}{SA} \times 100$$

Where,

MSR	=	Matrix Spike Recovery,	SA	=	Spike Added
SSR	=	Spiked Sample Result,	SR	=	Sample Result

Calculate the relative percent difference (RPD) between the recoveries of each compound or analyte in the matrix spike and matrix spike duplicate using Equation 3.

Equation 3

$$RPD = \frac{| MSR - MSRD |}{\frac{(MSR + MSRD)}{2}} \times 100$$

Where,

MSR = Matrix Spike Recovery
MSRD = Matrix Spike Duplicate Recovery

9.5 Performance Evaluation Samples

In accordance with the EPA Region I Performance Evaluation Program Guidance, performance evaluation (PE) samples should be submitted for each type of analysis to be performed in the field or by the fixed laboratory performing full protocol EPA methods. PE samples provide information on the quality of the individual data packages. PE samples are certified standard reference materials (SRMs) from a source other than that used to calibrate the instrument. If both field and fixed laboratories are being used to analyze samples, at least one solid PE sample should undergo both field analysis and confirmatory full protocol EPA method analysis to facilitate data comparability. A copy of the certified values for the SRM must be submitted with the final data packages to facilitate data evaluation.

9.6 Data Verification and Validation

All field data and supporting information (including chain-of-custody) that is collected during a concrete sampling episode should be verified daily, by a person other than that performing the work, to check for possible errors.

During the project planning process, a plan for data validation should be established for all data, both for field and fixed laboratories. All data must be validated to assure that it is of a quality suitable to make project decisions. For help in developing a data validation program refer to Region I, EPA New England,

Data Validation Functional Guidelines for Evaluating Environmental Analyses.

9.7 Audits

9.7.1 Internal Audits

As part of the Quality Assurance/Quality Control Program for any sampling project, a series of internal audit checks should be instituted to monitor and maintain the integrity of the sample collection process. Timely internal reviews will insure that proper sampling, decontamination, chain-of-custody and quality control procedures are being followed. Also, the internal audit review is there to monitor any corrective actions taken, and/or institute corrective actions that should have been taken and were not. All corrective actions taken must be documented in an appropriate logbook, and if any corrective actions impact the final data reported, then they must also be documented in the final report narrative. The results of all internal audits must be documented in a report, and copies of the report issued to the Project Manager and the Quality Assurance Manager. The original copy of any audit report must remain with the main project file and be available for review.

9.7.2 External Audits

The Agency reserves the right to perform periodic field audits to ensure compliance with this SOP.

10.0 References

1) Guidance for the Data Quality Objective Process, QA/G-4, EPA/600/R-96/055, September 1994.

2) EPA Requirements for Quality Assurance Project Plans for Environmental Data Operations, QA/R-5, Interim Final, October 1997.

3) Guidance for the Preparation of Standard Operating Procedures for Quality-related Operations, QA/G-6, EPA/600/R-96/027, November 1995.

4) Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses, July 1996.

5) EPA Region I Performance Evaluation Program Guidance, July 1996.

6) U.S. EPA Code of Federal Regulations, 40 CFR, Part 136, Appendix B, Revised as of July 1995.

Appendix C

Written Certification Required Under §761.61(a)(3)(E)

CITY OF MERIDEN
DEPARTMENT OF PUBLIC WORKS
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July 8, 2011

Kimberly N. Tisa, Region 1 PCB Coordinator
United States Environmental Protection Agency
5 Post Office Square OSRR07-2
Boston, MA 02109-3912

Subject: Written Certification Required Under §761.61(a)(3)(E)
Building Materials and Soil PCB Remedial Plan
77 Cooper Street, Meriden, CT

Dear Ms. Tisa

I certify that all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the 77 Cooper Street Remediation site, are on file at the AECOM offices located at 500 Enterprise Drive, Suite 1A, Rocky Hill, Connecticut, and are available for EPA inspection.

If you have any questions, comments, or concerns you may contact John Bondos via phone at 860-263-5780 or via email at john.bondos@aecom.com.

Very truly yours,

Robert J Bass

Robert J. Bass, P.E.
Director of Public Works

RJB/mb

cc: Peggy Brennan, Director of Economic Development, City of Meriden
John Bondos, AECOM
Brian Ennis, P.E., Associate City Engineer
Paul A. Kopek, Assistant City Engineer
Pierre L. Blanchet, P.E./L.S., Associate City Engineer
Project File – 77 Cooper Street
File